REPORT.107

PILOT WATERSHED STUDY
SOIL AND WATER ENVIRONMENTAL ENHANCEMENT PROGRAM

REPORT #6: EVALUATION OF CONSERVATION SYSTEMS, WATER QUALITY

Volume 2: Appendix A & B

Prepared for:

Agriculture Canada
Guelph, Ontario

Prepared by:

BEAK CONSULTANTS LIMITED
42 Arrow Road
Guelph, Ontario
N1K 1S6

September 1994

APPENDIX A

WATERSHED SCALE WATER QUALITY DATA

ESSEX TEST

Essex Test Watershed — Water Quality Data

Sample	#	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI	1	88 12 20	1300	54.1	0.485	2.15	0.08	6.1	0.210	0.086	8.08	151.9	4.06	1158
FI	2	88 12 21	830	13.6	0.665	2.05	0.09	6.3	0.230	0.150	7.69	61.18	3.61	719
FI	3	89 1 10	330	2.8	0.013	0.69	0.04	16.1	0.047	0.023	7.64	33.4	2.03	849
FI	4	89 2 23	1000	2.9	0.532	2.94	0.04	4.6	0.162	0.050	7.46	83.7	3.8	810
FI	5	89 3 11	900	<5.0	0.031	0.55	0.01	0.4	0.08	0.027	7.95	62.5	2.5	664
FI	6	89 3 11	1500	<5.0	0.001	0.61	0.01	0.3	0.08	0.038	8.68	50.8	2.0	475
FI	7	89 3 11	2400	10.8	0.014	0.66	0.01	0.3	0.10	0.071	8.03	39.3	2.1	439
FI	8	89 3 12	600	10.1	<0.001	0.60	0.01	0.3	0.07	0.018	7.95	38.5	2.2	446
FI	9	89 3 12	900	9.9	<0.001	0.61	0.01	0.3	0.07	0.011	7.98	39.5	2.2	455
FI	10	89 3 12	1500	10.1	0.013	0.63	0.01	0.2	0.09	0.030	8.68	36.1	2.0	409
FI	11	89 3 28	1800	17.8	0.013	1.50	0.07	20.2	0.068	0.016	8.00	42.4	2.6	681
FI	12	89 3 28	2200	1641	0.009	7.99	0.06	15.8	1.88	0.012	7.76	76.7	22.5	711
FI	13	89 3 28	2400	805	0.025	5.88	0.10	14.8	1.90	0.037	7.49	58.2	25.6	612
FI	14	89 3 29	200	428	0.006	5.09	0.07	19.5	1.44	0.001	7.43	36.1	21.4	533
FI	15	89 3 29	400	299	0.006	4.49	0.10	20.6	1.02	0.012	7.43	33.6	17.8	521
FI	16	89 3 29	800	118	0.024	3.17	0.10	21.6	0.61	0.036	7.53	33.8	11.2	543
FI	17	89 3 29	1200	76.2	0.008	2.39	0.08	21.8	0.27	0.014	7.64	33.3	7.2	572
FI	18	89 3 29	1800	47.2	0.007	1.63	0.07	21.9	0.22	0.012	7.75	33.2	4.4	604
FI	19	89 3 29	2400	19.6	0.014	1.70	0.06	20.8	0.106	0.011	7.81	34.7	3.3	634
FI	20	89 3 30	1200	10.0	0.006	1.29	0.03	18.7	0.071	0.015	8.00	35.7	2.4	667
FI	21	89 4 3	2100	56.6	0.003	2.08	@	@	@	@	7.49	26.0	7.6	504
FI	22	89 4 4	100	46.5	0.036	1.88	@	@	@	@	7.38	27.8	6.2	530
FI	23	89 4 4	300	97.2	0.036	1.99	@	@	@	@	7.54	30.0	8.1	534
FI	24	89 4 4	500	123	0.022	2.02	@	@	@	@	7.42	26.7	10.2	504
FI	25	89 4 4	700	174	0.017	2.65	@	@	@	@	7.36	27.6	14.0	466
FI	26	89 4 4	900	156	0.037	2.58	@	@	@	@	7.32	29.2	15.0	451
FI	27	89 4 4	1300	81.8	0.023	2.23	@	@	@	@	7.42	25.9	10.4	471
FI	28	89 4 4	1700	46.4	0.017	1.91	@	@	@	@	7.49	24.5	7.8	491
FI	29	89 4 5	100	45.2	0.027	1.75	@	@	@	@	7.55	28.5	5.9	536
FI	30	89 4 5	1500	24.0	0.027	1.48	@	@	@	@	7.77	27.8	3.8	568
FI	31	89 4 17	1200	7.2	0.005	0.78	@	@	@	@	8.52	50.7	1.8	750
FI	32	89 4 17	1715	314	0.047	2.01	@	@	@	@	8.07	90.3	5.1	761
FI	33	89 4 17	2015	434	0.056	3.23	@	@	@	@	7.74	52.5	21	533

@ samples too old for analysis
* samples old when received, results suspect
+ sample exhausted
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? anomalous data withdrawn
NA not available

Essex Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI	34	89	4	17	2145	388	0.034	3.33	0.01	15.6	0.80	0.032	7.68	41.8	17.1	479
FI	35	89	4	17	2315	290	0.029	3.07	0.01	16.3	0.74	0.040	7.62	41.8	16.9	460
FI	36	89	4	18	45	187	0.015	2.50	0.02	17.3	0.60	0.041	7.65	37.2	15.5	460
FI	37	89	4	18	345	89.5	0.025	2.08	0.02	18.2	0.42	0.028	7.68	35.6	11.3	486
FI	38	89	4	18	645	61.5	0.009	1.65	0.02	18.7	0.29	0.024	7.73	33.1	8.5	512
FI	39	89	4	18	1415	47.6	0.015	1.65	0.02	18.4	0.17	0.033	7.89	31.5	4.6	564
FI	40	89	4	19	815	15.6	0.010	1.11	<0.01	17.4	0.070	0.007	8.03	34.6	2.5	659
FI	41	89	4	24	1057	5.0	0.006	0.77	0.02	13.7	0.024	<0.001	8.71	47.8	1.4	745
FI	42 G	89	4	24	1106	6.4	0.006	0.89	0.02	13.5	0.025	<0.001	8.76	46.8	1.4	742
FI	43	89	5	11	910	25.9	0.036	1.35	0.09	1.5	0.120	0.042	8.03	84.4	2.7	931
FI	44	89	5	24	2400	14.2	@	@	@	@	0.089	0.029	@	44.9	2.1	839
FI	45	89	5	25	600	22.7	@	@	@	@	0.129	0.047	@	38.9	2.7	768
FI	46	89	5	25	900	26.5	@	@	@	@	0.130	0.050	@	38.4	3.1	744
FI	47	89	5	25	1200	72.8	@	@	@	@	0.250	0.046	@	29	5	628
FI	48	89	5	25	1800	130	@	@	@	@	0.326	0.025	@	77.6	6.4	747
FI	49	89	5	25	2100	3306	@	@	@	@	2.31	0.031	@	152	40	929
FI	50	89	5	25	2400	1117	@	@	@	@	1.31	0.068	@	78	27	704
FI	51	89	5	26	300	744	@	@	@	@	1.27	0.062	@	55.1	29	493
FI	52	89	5	26	600	353	@	@	@	@	0.70	0.063	@	36.7	19.7	486
FI	53	89	5	26	1200	118	@	@	@	@	0.52	0.049	@	28.2	9.5	543
FI	54	89	5	26	1500	78.8	@	@	@	@	0.312	0.048	@	29.1	6.7	577
FI	55	89	5	26	1800	91.7	@	@	@	@	0.295	0.039	@	27.7	6	602
FI	56	89	5	27	900	35.8	@	@	@	@	0.146	0.037	@	41.9	3.1	731
FI	57	89	5	28	600	18.4	0.039	1.34	0.23	17.7	0.127	0.036	7.98	43.1	2.3	802
FI	58	89	5	28	2100	20.1	0.019	1.42	0.25	15.5	0.123	0.055	7.98	46.0	2.2	825
FI	59	89	5	30	600	26.0	0.139	1.90	0.25	12.8	0.125	0.019	8.06	42.3	2.2	836
FI	60	89	5	30	1800	21.8	0.007	1.75	0.22	11.1	0.115	<0.001	8.16	42.5	2.3	797
FI	61	89	5	30	2100	5793	0.004	3.02	0.10	3.5	1.17	0.052	7.74	76.5	2.2	586
FI	62	89	5	30	2400	1806	0.006	7.75	0.09	6.3	2.69	0.078	7.56	35.7	3.5	389
FI	63	89	5	31	300	887	<0.001	6.05	0.09	10.2	1.55	0.003	7.37	28.4	2.4	387
FI	64	89	5	31	600	799	0.008	5.60	0.10	10.5	1.63	<0.001	7.35	18.8	2.3	310
FI	65	89	5	31	900	787	0.002	5.10	0.11	10.8	1.36	<0.001	7.22	8.5	1.9	270
FI	66	89	5	31	1200	377	<0.001	3.52	0.16	12.5	0.93	0.083	7.20	8.7	2.1	302
FI	67	89	5	31	1800	182	0.004	2.79	0.12	14.5	0.60	<0.001	7.32	NA	14.6	384

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Essex Test Watershed — Water Quality Data

Sample	#	Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI	68	89	5	31	2100	658	<0.001	4.16	0.10	13.8	1.21	<0.001	7.36	NA	25	395
FI	69	89	5	31	2400	1277	0.205	7.90	0.11	11.2	2.10	<0.001	7.25	NA	41	315
FI	70	89	6	1	300	1009	0.061	6.95	0.18	11.0	2.00	0.069	7.35	NA	41	305
FI	71	89	6	1	1200	239	0.027	3.10	0.14	14.1	3.24	0.006	7.50	NA	15.2	429
FI	72	89	6	1	2100	114	0.058	2.04	0.20	14.7	0.42	0.038	7.74	26.2	8.1	507
FI	73	89	6	1	2400	1219	0.049	5.40	0.14	12.8	1.82	0.092	7.66	26.0	2.1	512
FI	74	89	6	2	300	1314	0.074	5.14	0.10	8.1	1.72	0.137	7.39	19.5	2.2	371
FI	75	89	6	2	600	1053	0.045	4.15	0.10	7.1	1.24	0.019	7.23	8.9	1.8	265
FI	76	89	6	2	1500	240	0.057	1.79	0.13	10.0	0.49	0.084	7.48	12.8	1.9	375
FI	77	89	6	3	300	81.7	<0.001	1.88	0.15	10.8	0.33	0.063	7.85	28.0	5.2	536
FI	78	89	6	3	1200	59.1	0.105	2.10	0.24	11.1	0.235	0.046	7.94	30.4	3.9	607
FI	79	89	6	3	1500	1250	0.070	4.59	0.17	6.8	1.77	0.082	7.71	9.0	1.8	453
FI	80	89	6	3	1800	749	0.125	4.27	0.14	5.2	1.60	0.024	7.38	9.9	2.3	258
FI	81	89	6	3	2100	561	0.066	3.69	0.09	5.0	1.22	0.016	7.30	7.1	1.7	232
FI	82	89	6	4	600	137	0.042	2.38	0.10	8.1	0.68	0.019	7.51	20.2	NA	373
FI	83	89	6	4	1800	72.5	0.103	1.91	0.13	9.8	0.39	0.040	7.77	24.4	3.9	505
FI	84	89	6	5	900	61.7	0.116	1.65	0.18	10.8	0.27	0.093	7.85	30.6	3.1	634
FI	85	89	6	19	1600	65.7	0.3	1.63	0.25	12.3	0.22	0.01	7.85	45.9	2.8	815
FI	86	89	6	19	1900	3855	0.4	12.7	0.13	5.0	5.09	<0.01	7.18	9.2	1.9	226
FI	87	89	6	19	2200	2075	0.3	8.56	0.14	4.0	3.56	<0.01	6.88	5.8	3.7	160
FI	88	89	6	20	400	681	0.3	3.98	0.17	7.1	1.12	<0.01	6.64	7.1	2.4	248
FI	89	89	6	20	1300	214	0.3	2.76	0.17	9.5	0.59	<0.01	6.87	10.4	2.4	361
FI	90	89	6	21	100	81.2	0.3	1.73	0.21	11.5	0.27	<0.01	7.35	23.2	2.2	529
FI	91	89	6	21	1000	55.0	0.4	1.64	0.20	11.9	0.22	<0.01	7.59	26.0	4.0	602
FI	92	89	6	21	2200	47.2	0.4	1.64	0.29	10.7	0.19	<0.01	7.54	30.4	4.3	675
FI	93	89	6	22	1000	43.6	0.2	1.36	0.24	10.6	0.17	0.25	7.88	35.0	2.7	719
FI	94	89	7	19	1700	167	0.2	1.66	0.02	0.1	0.28	0.12	7.78	203	1.8	1036
FI	95	89	7	19	2000	97.3	0.2	1.51	0.02	<0.1	0.22	0.05	7.86	198	1.7	1067
FI	96	89	7	19	2300	1122	0.1	5.11	0.03	2.6	2.02	0.14	7.60	60.9	2.4	458
FI	97	89	7	20	500	523	<0.1	3.46	0.03	5.9	1.00	0.06	7.25	24.6	2.8	319
FI	98	89	7	20	800	345	<0.1	2.70	0.03	4.1	0.70	0.05	7.05	10.1	2.3	203
FI	99	89	7	20	1100	179	0.1	2.21	0.05	4.6	0.44	0.06	7.02	8.3	2.6	206
FI	100	89	7	20	1400	95.4	0.1	2.03	0.06	5.1	0.32	0.03	7.06	8.5	2.2	241
FI	101	89	7	20	2000	102	0.2	2.32	0.09	5.8	0.26	0.03	7.30	11.4	2.3	309

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Essex Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 102		89	7	21	500	29.9	<0.1	1.96	0.04	5.5	0.12	0.01	7.42	18.3	2.3	408
FI 103		89	7	22	200	47.8	<0.1	1.83	0.08	4.4	0.07	0.05	7.91	30.8	2.3	587
FI 104		89	7	23	1400	58.8	<0.1	1.74	0.09	2.3	0.09	0.03	8.08	41.8	2.4	722
FI 105		89	7	23	1700	263	<0.1	2.71	0.06	3.0	0.40	<0.01	7.68	40.7	2.7	583
FI 106		89	7	24	800	29.2	<0.1	1.20	0.05	2.7	0.03	<0.01	7.90	40.5	2.4	689
FI 108	G	89	10	18	1030	21.8	0.1	1.02	0.05	<0.1	0.08	0.02	7.93	330	6.4	1430
FI 109	G	89	10	20	1139	18.5	0.3	1.25	0.1	6.4	0.12	0.05	7.85	242	7.4	1229
FI 110	G	89	11	9	1117	8.9	0.5	1.32	0.07	1.2	0.14	<0.01	7.97	313	8.6	1540
FI 111		89	11	9	1114	25.8	0.4	1.42	0.07	1.2	0.14	<0.01	7.95	300	8.1	1530
FI 112		89	11	14	1600	375	0.2	2.45	0.04	0.4	0.51	<0.01	8.01	246	6.9	1630
FI 113		89	11	15	0400	120	0.2	1.14	0.05	0.4	0.2	<0.01	8.02	316	7.4	1570
FI 114		89	11	15	1300	34.5	0.5	1.17	0.05	0.4	0.14	<0.01	8.14	285	8.2	1510
FI 115		89	11	15	2200	393	0.1	2.79	0.06	9.1	0.85	0.09	7.8	123	5.3	801
FI 116		89	11	16	0100	153	0.1	2.17	0.07	10.2	0.6	0.1	7.72	105	5.6	766
FI 117		89	11	16	1000	84.9	0.1	1.86	0.06	10.7	0.41	0.08	7.68	89.7	6	706
FI 118		89	11	16	2200	70.5	0.1	1.68	0.06	11.6	0.32	0.04	7.75	73.7	3.9	675
FI 119		89	11	17	1000	72.3	0.1	1.54	0.06	11.6	0.23	0.06	7.85	80.1	3.6	737
FI 120	G	89	11	30	1215	8.4	0.4	1.24	0.05	1.6	0.11	<0.01	7.8	196	4.8	1293
FI 121		89	11	30	1215	37.5	0.1	1.28	0.05	4.8	0.13	<0.01	7.98	193	4.5	1272
FI 122		89	12	12	1258	6.7	2.3	2.77	0.01	0.5	0.09	0.01	8.02	268	5.1	1690
FI 123		89	12	13	1135	20.2	1.9	2.79	0.02	0.2	0.07	0.06	8.01	304	5.2	1870
FI 124	8	90	1	4	1530	83.9	0.4	3.17	0.14	2.4	0.64	0.31	6.84	60.1	15.1	411
FI 125	8	90	1	4	1730	103	0.2	3.21	0.09	2.2	0.66	0.18	6.83	57.4	11.7	426
FI 126	8	90	1	4	2130	75.6	0.2	2.84	0.13	2.8	0.54	0.17	6.84	56.4	11.2	419
FI 127	8	90	1	5	130	70.6	0.4	2.72	0.12	3.4	0.47	0.16	6.99	61.1	9.8	457
FI 128	8	90	1	5	730	80.8	0.2	2.6	0.12	3.9	0.43	0.11	7.06	64.5	8.7	488
FI 129	8	90	1	5	1130	99.8	0.2	2.49	0.09	4.3	0.42	0.09	7.12	48.1	6.1	429
FI 130	8	90	1	5	1430	93.1	0.1	2.44	0.08	4.7	0.39	0.07	7.34	36.7	5.1	386
FI 131	8	90	1	5	1730	61.8	0.1	2.41	0.08	4.9	0.36	0.07	7.37	36.1	4.8	382
FI 132	8	90	1	6	1130	53	0.1	2.22	0.08	5.5	0.29	0.07	7.46	40.12	4.5	434
FI 133	8	90	1	7	530	66.8	0.2	2.22	0.08	5.5	0.26	0.06	7.62	48.5	4.4	495
FI 134	#	90	1	16	1700	345	0.1	2.14	0.12	3.8	0.46	0.02	7.51	51.5	3.3	569
FI 135	#	90	1	17	800	301	0.3	1.69	0.07	5.3	0.398	0.08	7.54	53.2	2.7	564
FI 136	#	90	1	17	1400	153	<0.1	2.01	0.07	7.7	0.43	0.04	7.4	39.9	2.8	476

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Sample #			Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI	137	#	90	1	17	1700	124	<0.1	1.96	0.07	8.3	0.43	0.03	7.36	29.2	2.6	418
FI	138	#	90	1	17	2300	96.1	<0.1	1.81	0.07	11.2	0.35	0.01	7.28	24.8	2.4	406
FI	139	#	90	1	18	200	176	<0.1	2.22	0.08	11.7	0.55	0.01	7.19	28.1	2.5	420
FI	140	#	90	1	18	500	126	<0.1	2.39	0.08	12.8	0.46	0.01	7.12	23.1	2.5	405
FI	141	#	90	1	18	800	116	<0.1	2.18	0.08	14.3	0.46	0.01	7.15	23.9	2.5	422
FI	142	#	90	1	18	1700	50.2	<0.1	1.72	0.09	14.5	0.27	<0.01	7.3	26.2	2.3	461
FI	143	#	90	1	19	200	57.7	<0.1	1.64	0.08	14.7	0.22	<0.01	7.42	29.1	2.2	515
FI	144	#	90	1	19	800	34.5	<0.1	1.65	0.08	14.7	0.19	<0.01	7.48	32.2	2.3	550
FI	145	#	90	1	19	1100	37.9	<0.1	1.45	0.07	14.4	0.18	<0.01	7.49	32.7	2.3	561
FI	146		90	1	30	1655	13.1	<0.1	1.14	0.11	9.5	0.07	0.04	7.72	63.3	2.6	778
FI	147	G	90	1	30	1655	10	<0.1	1.02	0.06	10	0.07	0.04	7.84	52.3	2	769
FI	148		90	3	5	1747	111	<0.1	2.09	0.05	5.6	0.45	0.07	7.43	43.4	2.2	634
FI	149		90	3	5	1747	37	<0.1	1.15	0.04	5.8	0.23	0.06	7.69	38.6	1.7	625
FI	150		90	4	3	1017	39.3	0.1	1.48	0.04	8.4	0.19	<0.01	7.74	33.7	1.7	599
FI	150	G	90	4	3	1017	21.8	0.1	1.39	0.05	9.1	0.2	<0.01	8	33.7	2	587
FI	151		90	4	9	1700	20.8	<0.1	1.04	0.04	6.3	0.07	<0.01	8.4	40	1.5	682
FI	152		90	4	10	800	33	<0.1	1.01	0.05	5.8	0.1	<0.01	7.92	54.7	1.6	791
FI	153		90	4	10	1100	57.6	<0.1	1.22	0.04	5.2	0.14	<0.01	7.92	66.9	1.8	788
FI	154		90	4	10	1700	216	<0.1	3.5	0.06	8.9	0.79	0.05	7.41	15.2	2	372
FI	155		90	4	10	2200	186	<0.1	3.87	0.07	8.9	0.78	0.02	7.24	9.5	2.3	300
FI	156		90	4	11	500	83.9	<0.1	2.96	0.09	8.6	0.62	0.09	7.39	13.5	5.9	331
FI	157		90	4	11	1700	42.1	<0.1	2.34	0.05	9	0.4	0.03	7.52	15	2.9	410
FI	158		90	4	18	1224	12.2	<0.1	1.13	0.03	7.7	0.05	0.01	8.67	39.1	1.5	664
FI	158	G	90	4	18	1224	10.1	<0.1	1.06	0.03	7.5	0.05	0.02	8.74	37.8	1.4	654
FI	159		90	4	13	1600	18.7	<0.1	1.12	0.03	8.5	0.07	?	8.33	27.7	1.5	604
FI	160		90	5	4	1000	22.8	<0.1	1.18	0.04	1.4	0.08	<0.01	8.1	56.5	1.8	793
FI	161		90	5	4	1300	253	<0.1	2.06	0.03	1.4	0.42	0.06	7.86	72.5	1.7	772
FI	162		90	5	4	1900	222	0.1	4.02	0.05	9.9	0.74	0.06	7.58	26.2	2.3	496
FI	163		90	5	4	2200	125	0.1	4.36	0.07	14.9	0.7	0.06	7.52	24.6	2.6	463
FI	164		90	5	5	400	91.8	0.3	4.38	0.11	18.8	0.52	0.06	7.5	25.4	2.2	505
FI	165		90	5	5	2200	55.9	0.6	3.04	0.18	19.3	0.2	<0.01	7.76	30.7	2	614
FI	166		90	5	7	400	52.5	<0.1	1.52	0.15	13.5	0.11	<0.01	7.88	31.9	1.7	697
FI	167		90	5	7	953	20.9	<0.1	1.33	0.14	13.3	0.07	<0.01	8.06	32.9	1.6	701
FI	168		90	5	12	1600	24.2	0.024	1.01	0.05	5.2	0.048	0.035	8.17	43.7	1.6	746

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Essex Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 169		90	5	13	100	32.7	0.003	1.1	0.06	4.9	0.062	<0.001	7.7	50.3	1.7	775
FI 170		90	5	13	700	490	0.098	4.4	0.12	13.3	1.11	0.036	7.39	51.7	3.5	615
FI 171		90	5	13	1000	270	0.129	4.3	0.07	15.6	0.91	0.088	7.22	25.3	2.9	479
FI 172		90	5	13	1300	244	0.486	5	0.11	20.2	1.06	0.087	7.14	23.7	2.9	471
FI 173		90	5	13	1900	172	0.677	5.1	0.15	19.3	1.09	0.064	7.16	21.6	3	467
FI 174		90	5	14	700	92.2	0.794	3	0.16	20.8	0.495	0.032	7.38	25.5	2.8	565
FI 175		90	5	14	1900	31.4	0.655	2.35	0.19	21.6	0.18	0.022	7.7	28.8	2.6	636
FI 176		90	5	15	400	33.2	0.486	2	0.2	18.9	0.14	0.012	7.74	31.5	2.4	679
FI 177		90	5	16	100	37.3	0.14	1.9	0.24	14.6	0.14	0.007	7.71	35.6	2.2	699
FI 178		90	5	16	700	988	0.149	5.5	0.15	14.8	1.58	0.122	7.48	41.4	2.7	590
FI 179		90	5	16	1000	887	0.02	6	0.09	11.4	1.84	0.011	7.3	15.6	2.66	384
FI 180		90	5	16	1300	1226	0.257	7.6	0.09	11.4	2.2	0.03	7.7	10.7	2.8	289
FI 181		90	5	16	1900	343	0.365	5.7	0.12	13.4	1.21	0.015	7.06	13.2	3	355
FI 182		90	5	17	400	276	0.403	4.6	0.16	14.9	0.72	0.052	7.36	18.4	2.9	463
FI 183		90	5	17	1000	973	0.222	6.2	0.19	13.3	1.83	0.055	7.31	22.9	2.9	435
FI 184		90	5	17	1300	617	0.352	5.5	0.2	14.5	1.5	0.045	7.19	18.2	2.8	418
FI 185		90	5	17	1600	804	0.383	6.5	0.21	14	1.71	0.037	7.18	18.8	2.7	417
FI 186		90	5	18	100	170	0.477	3.8	0.22	14.3	0.76	0.041	7.39	25.1	2.7	508
FI 187		90	5	19	100	42.5	0.145	1.85	0.26	13.7	0.17	0.041	7.78	33.5	2.3	669
FI 188		90	5	21	400	37.6	<0.001	1.15	0.15	9.4	0.075	0.012	7.89	38.5	2	747
FI 189		90	5	21	1027	22.4	<0.001	1.35	0.12	8.7	0.071	0.007	8.11	38.4	2	752
FI 189	G	90	5	21	1027	24.3	<0.001	1.3	0.12	9.1	0.074	0.005	8.15	36.8	1.9	757
FI 190		90	6	4	1034	77.6	0.01	2	0.03	2.4	0.228	0.003	7.66	49.5	1.9	756
FI 190	G	90	6	4	1034	2.3	0.018	1.2	0.03	2.7	0.05	0.005	8.23	51.4	1.7	748
FI 191		90	6	21	1059	82.8	0.006	2.4	0.01	<0.1	0.22	0.013	7.47	58.9	1.3	767
FI 191	G	90	6	21	1059	28.5	0.018	1.2	0.02	<0.1	0.094	0.06	8.21	61.7	0.7	766
FI 192		90	7	23	1157	15	0.247	1.5	0.03	<0.1	0.086	0.014	7.91	182	6.8	1183
FI 192	G	90	7	23	1157	23.6	0.3	1.6	0.04	<0.1	0.105	0.026	7.88	172	6.9	1186
FI 193		90	8	13	1413	59	0.041	2.25	0.23	9.6	0.295	0.119	7.15	147	5.1	929
FI 193	G	90	8	13	1413	29.1	0.007	1.9	0.3	10.3	0.305	0.193	7.42	132	5.1	848
FI 194		90	8	18	2100	22.2	@	@	@	@	0.09	0.035	@	271	3.4	1430
FI 195		90	8	19	200	857	@	@	@	@	1.49	0.15	@	54.2	3.1	476
FI 196		90	8	19	700	266	@	@	@	@	0.76	0.077	@	27.1	8.7	373
FI 197		90	8	19	1200	127	@	@	@	@	0.495	0.063	@	38.1	3.7	458

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Essex Test Watershed Water Quality Data

Sample #		Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 198		90 8 19	1500	99.9	@	@	@	@	0.43	0.064	@	43.1	4.1	474
FI 199		90 8 19	1800	96.2	@	@	@	@	0.42	0.064	@	43.3	4.1	473
FI 200		90 8 19	2100	88.7	@	@	@	@	0.4	0.191	@	46.6	3.4	490
FI 201		90 8 20	1500	37.7	@	@	@	@	0.205	0.084	@	61.4	3	637
FI 202		90 8 21	900	27.7	@	@	@	@	0.175	0.076	@	73.8	6.8	761
FI 203		90 8 22	1200	27.9	@	@	@	@	0.145	0.098	@	83.6	3.5	785
FI 204		90 9 6	1930	154	0.045	1.54	0.03	0.5	0.42	0.078	7.48	146	4.6	854
FI 205		90 9 6	2230	2001	0.071	7.2	0.02	2.6	3.95	0.096	7.17	20.1	2.6	218
FI 206		90 9 7	130	801	0.058	4	0.02	1.6	1.7	0.08	6.76	6.3	3.2	144
FI 207		90 9 7	430	303	0.152	2.32	0.01	1.6	0.85	0.147	6.76	7	3.2	135
FI 208		90 9 7	730	118	0.088	2.05	0.01	1.8	0.48	0.7	6.6	4.3	3.5	124
FI 209	G	90 9 7	1200	98.5	0.063	1.8	0.02	2.2	0.39	0.109	6.73	5.2	3.5	149
FI 209		90 9 7	1200	87.4	0.125	2.06	0.02	2.2	0.42	0.38	6.67	5	3.8	151
FI 210		90 9 7	1930	98.2	0.01	2.38	0.05	2.3	0.39	0.095	7.16	6.3	3.7	200
FI 211		90 9 8	1930	PET BOTTLES MIS-LABELLED						0.109		39.1	2.8	
FI 212		90 9 10	1030	PET BOTTLES MIS-LABELLED						0.25		28.2	2.4	
FI 213		90 9 14	1230	59.7	<0.001	2.75	0.07	1.2	0.125	0.056	8.19	54.7	2.8	731
FI 214		90 9 14	1530	3462	<0.001	11.5	0.03	0.3	6.8	0.153	7.38	25.1	2.9	295
FI 215		90 9 14	1830	568	0.003	3.6	0.04	1.1	1.13	0.156	7.1	14.3	4.1	267
FI 216		90 9 14	2130	249	0.011	2.5	0.04	1.4	0.595	0.043	7.04	7.9	4.4	199
FI 217		90 9 15	930	180	0.017	2.55	0.02	1.6	0.515	0.007	7.29	8.7	3.1	273
FI 218		90 9 16	0030	107	0.01	2.2	0.03	1.5	0.425	0.027	7.57	16.4	3.3	380
FI 219		90 9 16	930	327	0.003	2.2	0.02	1.1	0.72	0.006	7.23	8.3	3.7	213
FI 220		90 9 16	1230	217	0.006	2.05	0.03	1	0.49	0.02	7.07	6.8	3.3	180
FI 221		90 9 17	330	64.4	0.006	1.8	0.03	1	0.36	0.263	7.43	8.6	2.8	254
FI 222		90 9 19	0030	58.4	0.068	1.5	0.05	1.3	0.225	0.045	7.78	21.1	2.1	472
FI 223		90 9 19	630	87.9	0.068	1.6	0.05	1.7	0.285	0.207	7.64	30.4	3.3	500
FI 224		90 9 19	1230	27.1	0.034	2.1	0.02	0.8	0.52	0.022	7.01	6.7	2.8	186
FI 225		90 9 19	1530	232	0.005	1.85	0.01	0.7	0.43	0.009	6.87	5.8	2.9	154
FI 226		90 9 20	30	180	0.004	1.7	0.02	0.8	0.335	0.009	7.06	6.9	2.9	207
FI 227		90 9 20	1530	59	0.006	1.8	0.03	0.9	0.335	0.011	7.42	11.7	2.8	316
FI 228		90 9 21	930	57.4	0.007	1.6	0.04	1.1	0.28	0.017	7.54	16.4	2.7	403
FI 229	G	90 9 25	1216	34	0.06	1.18	0.06	1.4	0.128	0.04	8.17	27.6	2.2	580
FI 229		90 9 25	1216	45.4	0.006	1.4	0.05	1.2	0.142	0.017	8.11	27.2	2.3	578

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Essex Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 230		90 10 8	2300	47	0.079	1.18	0.08	0.7	0.158	NA	7.89	45	4.6	721
FI 231		90 10 9	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FI 232		90 10 9	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FI 233		90 10 9	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FI 234	G	90 10 9	1150	149	0.03	2.8	0.03	1.8	0.4	NA	6.93	17.4	6.9	290
FI 234		90 10 9	1150	143	0.046	2.9	0.02	2.1	0.46	NA	7.02	11.2	6	262
FI 235		90 10 9	1400	139	0.033	3.1	0.02	2.1	0.48	0.008	7.27	11.5	5.6	268
FI 236		90 10 9	2000	121	0.039	3.05	0.04	2.3	0.415	0.117	7.31	16.6	6.1	283
FI 237		90 10 10	200	105	0.034	2.6	0.02	1.8	0.35	0.01	7.2	12.2	5.4	281
FI 238		90 10 10	800	99.1	0.077	2.45	0.02	1.4	0.36	0.08	7.24	10.9	4.9	260
FI 239		90 10 10	1400	65.7	0.039	2.25	0.02	1.1	0.32	0.03	7.24	9.9	4.9	251
FI 240		90 10 10	2000	102	0.034	2.3	0.02	0.9	0.275	0.008	7.27	10.1	5.1	246
FI 241		90 10 11	800	69.6	0.051	1.95	0.02	0.6	0.046	0.006	7.28	9.5	4.4	254
FI 242		90 10 11	2300	89	0.007	1.96	0.03	0.9	0.28	0.021	7.85	12.4	4	321
FI 243		90 10 13	1500	75.7	0.005	1.72	0.03	1.2	0.242	0.02	7.89	17	3	433
FI 244		90 10 15	700	67.8	0.04	1.44	0.06	1.3	0.192	0.022	7.88	21.9	2.6	548
FI 245	G	90 10 24	1009	NA	<0.001	0.84	0.06	1.1	0.06	0.024	8.2	31.9	2.7	725
FI 245		90 10 24	1009	NA	0.054	4.35	0.04	0.8	0.8	0.005	7.77	30.1	3.3	668
FI 246	G	90 11 6	1624	98.4	0.023	2.2	0.01	2.3	0.38	0.058	7.14	23.9	4.6	367
FI 246		90 11 6	1624	170	0.056	2.7	0.01	1.7	0.425	0.171	7.09	24.7	4.4	423
FI 247	G	90 11 28	1023	257	0.024	2.9	0.04	2	0.68	0.054	7.46	28.3	5.2	460
FI 247		90 11 28	1023	270	0.017	3.3	0.01	2	0.63	0.016	7.15	27.8	5.2	459
FI 248	G	90 12 4	1508	229	0.015	2.6	0.06	3	0.63	0.07	7.21	15.8	4.1	296
FI 248		90 12 4	1508	395	0.006	3.4	0.04	2.5	0.76	0.3	7.11	17.8	3.2	296
FI 249	G	91 1 9	1051	11.1	0.123	0.89	0.03	2.5	0.04	<.001	7.96	35.8	1.9	918
FI 249		91 1 9	1051	96	0.259	1.85	0.02	1.6	0.205	<.001	7.66	42.8	2.5	841
FI 250	G	91 2 19	1502	274	0.17	2.15	0.04	2.2	0.525	0.17	7.33	47.7	2.8	328
FI 250		91 1 19	1502	274	0.089	2.35	0.04	2.1	0.57	0.051	7.1	27.4	2.7	271
FI 251		91 3 1	1800	83.8	0.006	1.12	0.01	1.2	0.16	0.013	7.77	34.8	1.9	577
FI 252		91 3 2	1800	82.5	0.005	1.55	0.02	3.4	0.335	0.028	7.45	14.7	1.8	331
FI 253		91 3 2	2100	433	0.004	3.65	0.02	3.5	1.25	0.033	7.32	16.3	2.1	314
FI 254		91 3 2	2400	153	0.005	3.25	0.02	3.9	0.855	0.029	7.26	14.3	2.1	297
FI 255		91 3 3	600	110	0.005	2.7	0.03	4	0.625	0.023	7.33	16.3	2.2	328
FI 256		91 3 4	1500	74.1	0.052	1.26	0.01	2.6	0.192	0.027	7.92	36.4	1.9	651

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Essex Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 257	G	91	4	2	949	8.4	0.003	0.63	0.01	1.4	0.027	0.001	8.15	41.2	2.1	838
FI 257		91	4	2	949	9.6	0.043	0.8	0.02	1.5	0.029	0.007	7.8	38.9	2.1	801
FI 258		91	4	19	1700	151	<0.1	1.68	<.01	1.5	0.31	0.01	7.65	67.9	2.1	762
FI 259		91	4	19	2300	754	<0.1	4.94	0.03	6.8	1.56	0.07	7.47	16.2	2.5	308
FI 260		91	4	20	500	317	<0.1	2.42	0.02	6.9	1.05	0.08	7.37	12.4	2.3	263
FI 261		91	4	20	800	446	<0.1	3.74	0.02	6	1.14	0.06	7.31	10.3	2.4	232
FI 262		91	4	20	1100	376	<0.1	3.74	0.03	5.3	1.04	0.07	7.29	10.9	4	215
FI 263		91	4	20	2300	113	<0.1	2.28	0.01	6.7	0.56	0.02	7.4	9.8	2.1	268
FI 264		91	4	22	1400	52.9	<0.1	1.57	0.02	6.7	0.26	0.01	7.92	19.2	1.8	477
FI 265	G	91	4	23	911	13	<0.1	1.11	<.01	5.3	0.11	<.01	8.04	26.5	1.6	605
FI 265		91	4	23	911	48.1	<0.1	1.4	0.11	5	0.2	<0.01	7.88	26.8	1.8	586
FI 266	G	91	5	23	1528	44.1	0.014	1.38	<.01	0.1	0.13	0.046	8	74	1.8	807
FI 266		91	5	23	1528	65	0.011	2.6	<.01	0.1	0.24	0.147	7.25	68.8	2.5	813
FI 267		91	5	26	100	35.9	0.004	1.25	0.01	0.3	0.315	0.19	7.87	62.8	2.4	770
FI 268		91	5	26	500	+	0.033	5.2	0.08	5.1	1.62	0.29	+	55.1	2.4	+
FI 269		91	5	26	900	424	0.325	14.1	1.01	15.6	4.75	0.089	7.63	31	3	558
FI 270		91	5	26	1700	+	0.012	10.2	1.3	20	4.05	0.28	7.76	27.4	3.2	582
FI 271		91	5	27	1300	72.6	0.091	2.16	1.4	16	0.258	0.042	7.89	38.9	2.7	738
FI 272	G	91	5	29	1004	15.4	0.225	1.14	0.31	3.6	0.102	0.059	8.05	41.1	2.2	809
FI 272		91	5	29	1004	39.1	0.139	1.28	0.31	3.5	0.104	0.088	8.04	40.5	2.2	805
FI 273		91	5	31	2000	66.3	0.008	1.16	0.12	1.1	0.136	0.04	8.1	37.5	1.6	707
FI 274		91	5	31	2300	2630	1.4	7.4	0.32	17.2	3.65	0.078	7.3	34.8	4.2	507
FI 275		91	6	1	200	829	0.377	7.3	0.58	17	2.35	0.044	7.12	13.8	3.6	353
FI 276		91	6	1	1100	316	0.011	3.9	0.33	18.9	0.75	0.04	7.36	18.1	3	423
FI 277		91	6	2	800	94	0.027	2.25	0.27	11.5	0.23	0.029	7.97	30.8	2.5	604
FI 278		91	6	2	1400	193	0.044	3.1	0.2	13.6	0.49	0.061	7.64	30.6	3	567
FI 279		91	6	3	800	92.2	0.011	2.3	0.22	11.2	0.235	0.056	7.94	31.1	2.4	614
FI 280		91	6	4	900	96.5	0.009	1.72	0.19	6.1	0.228	<.001	8.09	33.2	2.4	706
FI 281	G	91	6	13	958	14.2	0.013	0.85	<.01	0.2	0.032	0.004	8.2	46.4	0.6	768
FI 281		91	6	13	958	87.4	0.07	1.94	0.01	0.2	0.22	0.025	7.3	44.1	2.3	799
FI 282		91	10	24	1600	100	0.037	2.2	0.1	7.3	0.215	0.024	7.42	580	5.8	2710
FI 283		91	10	25	1300	76.3	0.023	1.66	<0.01	11.3	0.276	0.105	7.71	275	6.9	1800
FI 284		91	10	25	1900	69.9	0.033	1.76	0.15	20.9	0.256	0.125	7.75	226	6.1	1490
FI 285		91	10	25	2200	29.2	0.055	1.8	0.2	19.8	0.25	0.144	7.69	237	6.2	1380

@ samples too old for analysis
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Essex Test Watershed Water Quality Data

Sample #		Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 286		91 10 26	100	102	0.031	1.68	0.22	10.5	0.47*	0.23	7.64	189	5.6	1084
FI 287		91 10 26	1000	45.9	0.016	1.48	0.18	9.9	0.302	0.172	7.68	185	5.5	1031
FI 288		91 10 27	1300	59.3	0.008	1.7	0.01	10.1	0.238	0.1	7.7	81.1	4.9	792
FI 289		91 10 28	1300	62.2	0.028	1.74	0.01	11.2	0.234	0.082	7.85	25.3	4.2	864
FI 290		91 10 28	1317	17.6	0.028	1.66	0.06	11	0.172	0.099	7.81	37.2	3.8	872
FI 290	G	91 10 28	1317	16	0.028	1.52	0.06	11	0.176	0.113	7.79	23.7	4.1	856
FI 291		91 11 18	1800	43.6	<0.001	0.98	0.07	2.5	0.096	0.023	8.29	236	3.8	1360
FI 292		91 11 19	1200	39.2	<0.001	1.1	0.08	8.6	0.192	0.088	8.06	206	3.8	1204
FI 293		91 11 20	300	30.3	<0.001	1.44	0.14	11	0.156	0.068	7.98	81.8	3.8	848
FI 294		91 11 20	600	474	<0.001	3.65	0.08	13.9	1.48*	0.167	7.65	83.1	4.1	702
FI 295		91 11 20	900	344	<0.001	3.95	0.12	16.3	1.09*	0.063	7.46	45.9	3.1	580
FI 296		91 11 20	1800	102	<0.001	2.46	0.11	17.9	0.63*	0.088	7.49	56.3	3.1	591
FI 297		91 11 20	2400	134	<0.001	3.1	0.06	17.8	0.256	0.061	7.32	34	2.7	473
FI 298		91 11 21	600	66.4	<0.001	1.13	0.04	17.5	0.55*	0.054	7.4	31.9	2.4	463
FI 299	G	91 11 21	1530	52	<0.001	1.98	0.05	18.8	0.395*	0.058	7.54	35.4	2.5	512
FI 299		91 11 21	1530	51	<0.001	2.14	0.06	19.2	0.39*	0.115	7.54	37.6	2.7	521
FI 300		91 11 22	1000	63.5	0.008	1.84	0.04	19.4	0.236	0.038	7.78	40.2	2.4	605
FI 301		91 11 25	1000	35.2	0.002	1.32	0.04	17.1	0.118	0.04	7.8	60.9	2.6	744
FI 302		91 11 29	1114	51.8	0.066	2.15	0.05	16.8	0.325	0.104	7.68	68.9	3.6	720
FI 302		91 11 29	1114	51.8	0.048	2.2	0.48	15.9	0.3	0.078	7.51	67.2	3.4	719
FI 303		91 12 9	1244	31	0.083	1.26	0.06	13.3	0.154	0.047	7.78	31.9	2.4	547
FI 303		91 12 9	1244	23.8	<0.001	1.32	0.17	12.5	0.156	0.022	7.64	32.3	2	562
FI 304	G	92 1 9	1055	17.2	0.042	0.8	0.03	14.1	0.066	?	7.83	47.3	2.1	762
FI 304		92 1 9	1055	27.3	0.035	1.18	0.06	12.4	0.058	?	7.43	49.8	2.2	777
FI 305	G	92 2 14	1022	17	0.365	1.03	0.04	7.3	0.151	0.061	7.78	69.9	2.5	765
FI 305		92 2 14	1022	32	0.19	1.56	0.04	6.2	0.19	0.051	7.68	72.6	2.2	783
FI 306		92 2 18	1300	91.5	0.11	2.4	0.1	9.4	0.36	0.043	7.27	23.3	3.2	370
FI 307		92 2 18	1900	161	0.089	2.55	0.03	9.2	0.49	0.047	7.23	14.1	2.8	281
FI 308		92 2 19	100	156	0.013	2.55	0.04	6.6	0.57	0.049	7.11	11.4	2.5	213
FI 309		92 2 19	1300	98.7	0.06	2.3	0.06	6.1	0.49	0.094	7.12	10.2	3.8	194
FI 310		92 2 21	1000	42.7	0.013	1.94	0.02	9.4	0.32	0.069	7.21	14.3	2.3	306
FI 311	G	92 2 24	1239	23.6	0.009	1.46	0.02	9.4	0.176	0.024	7.43	18.9	1.7	434
FI 311		92 2 24	1239	21.2	@	1.4	0.02	9.4	0.186	0.017	7.37	19.6	1.8	436
FI 312		92 2 6	1500	35.4	0.006	0.82	0.15	7.4	0.088	0.023	7.79	28.7	1.3	529

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Essex Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 313		92	2	7	300	221	0.003	2.3	0.12	7.4	0.053	0.02	7.54	33	1.6	509
FI 314		92	2	7	1200	497	0.008	4.4	0.1	9.3	1.08	0.013	7.1	15.1	2.5	334
FI 315	G	92	2	7	1519	448	0.006	3.8	0.1	5.7	1.1	0.031	7.06	16.4	2.6	257
FI 315		92	2	7	1519	392	0.008	4	0.1	7.9	1.08	0.019	7	9.8	2.4	234
FI 316		92	2	8	300	174	0.009	3	0.11	8.3	0.69	0.017	7.09	12.1	2.6	306
FI 317		92	2	9	900	79.9	0.006	1.95	0.12	10.2	0.265	0.01	7.47	21.6	2.5	472
FI 318		92	3	10	600	97.2	0.008	1.36	0.05	10.4	0.214	0.027	7.19	28.6	2.2	603
FI 319		92	3	10	900	464	0.002	3.75	0.03	7.8	1	0.022	7.31	30.2	2.4	484
FI 320		92	3	10	1200	274	0.007	4.9	0.03	6.4	1.63	0.009	7.11	14	2.1	290
FI 321		92	3	10	1500	256	0.01	4.7	0.01	5.2	1.46	0.01	7.03	10	3.4	219
FI 322		92	3	11	300	183	0.003	2.95	0.04	7.5	0.725	0.01	7.31	17.3	2.2	332
FI 323		92	3	11	600	202	0.004	3.05	0.03	8.2	0.7	0.007	7.38	16	2	353
FI 324		92	3	11	900	161	<0.001	2.38	0.04	8.6	0.53	0.007	7.39	19.5	2.2	364
FI 325		92	3	12	900	55.4	<0.001	1.18	0.08	11	0.169	0.002	7.6	32	1.8	592
FI 326		92	3	25	1500	129	0.07	2.1	0.19	8.7	0.32	0.033	7.49	33.4	5.7	535
FI 327		92	3	25	2100	165	0.084	2.5	0.14	9.6	0.55	0.089	7.17	17.4	10.5	287
FI 328		92	3	26	2100	75.3	0.093	2.15	0.12	7.4	0.375	0.08	7.3	19.5	8.3	313
FI 329		92	3	27	1200	203	0.138	2.7	0.2	6.9	0.66	0.116	7.07	17.5	12.9	231
FI 330		92	3	27	1500	169	0.028	2.4	0.06	5.7	0.59	0.043	7.05	10.9	2.2	212
FI 331		92	3	28	300	106	0.021	2.1	0.04	7.3	0.5	0.034	7.27	16	2	318
FI 332		92	3	29	2000	31.7	0.032	1.45	0.03	9.9	0.12	0.022	7.69	26.7	1.4	554
FI 333		92	3	30	1239	45.1	0.014	1.5	0.03	9.3	0.165	0.018	7.73	26	1.5	550
FI 333	G	92	3	30	1239	42.2	0.017	1.5	0.03	9.5	0.17	0.014	7.73	24.8	1.4	549
FI 334		92	4	7	1056	24.8	0.031	1.2	0.06	9.7	0.066	0.002	8.22	35.4	1.5	680
FI 334	G	92	4	7	1056	16.6	0.042	1.04	0.04	10.7	0.046	0.011	8.4	34.4	1.4	684
FI 335		92	4	16	900	na	0.035	0.81	0.17	7.5	0.071	0.015	7.74	55.5	2.2	762
FI 336		92	4	16	2100	465	0.057	4.7	0.28	9.2	1.08*	0.012	7.34	38.5	2.1	577
FI 337		92	4	18	900	135	0.126	2.64	0.13	11.2	0.55*	0.004	7.53	45.2	1.8	629
FI 338		92	4	18	1300	167	0.201	4.1	0.13	11.1	0.735	0.006	7.25	21.9	1.9	481
FI 339		92	4	20	500	17.1	0.038	1	0.12	12.2	0.096	0.003	7.62	29.7	1.4	617
FI 340		92	4	23	1700	39.3	0.071	1.4	0.21	10.2	0.112*	0.035	8.23	27	2	574
FI 341		92	4	23	2100	600	0.144	4	0.22	7.3	0.97*	0.046	7.47	28	2.3	460
FI 342		92	4	24	100	830	0.558	4.9	0.22	6.3	1.55	0.036	7.34	14.1	2.2	311
FI 343		92	4	24	900	288	0.165	3.1	0.23	6.4	0.88	0.034	7.29	10.8	2.2	294

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Essex Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
FI 344		92	4	24	1300	541	0.154	3.5	0.18	5.3	1.08	0.046	7.24	11.3	2.2	267
FI 345	G	92	4	24	1548	363	0.195	3.5	0.18	3.4	1.2	0.046	7.25	11.3	2.1	211
FI 345		92	4	24	1548	503	0.213	3.7	0.17	4.3	1.08	0.04	7.15	7	2	202
FI 346		92	4	24	1700	329	0.197	3.5	0.17	4.2	1.02	0.038	7.15	6.6	2	197
FI 347		92	4	25	900	124	0.127	2.4	0.21	6.1	0.48	0.034	7.51	12.7	1.8	336
FI 348		92	4	25	1700	93.8	0.162	2.1	0.21	6.2	0.43	0.04	7.49	12.1	2.1	330
FI 349		92	4	27	900	25.7	0.073	1.2	0.21	8.6	0.131	0.024	7.92	23	1.7	527
FI 350	G	92	6	2	1028	8.7	0.068	1.03	0.08	5.7	0.075	0.007	8.25	47.8	1.2	719
FI 350		92	6	2	1028	35.1	0.038	1.7	0.1	6	0.134	0.003	7.8	47.3	1.9	717

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NA	not available

	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
Average	241.2	0.094	2.4	0.09	7.2	0.541	0.049	7.04	47.9	4.4	570
Maximum	5793.0	2.300	14.1	1.40	21.9	6.800	0.700	8.76	580.0	41.0	2710
St. Deviation	523.7	0.209	1.8	0.13	6.0	0.764	0.065	1.98	62.3	5.2	312

* Samples old when recieved, results suspect.

Nitrate and pH results subject to suspect.

? Anomalous data withdrawn

@ Samples too old for analysis

+ Sample Exhausted

ESSEX CONTROL

Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 1	88 12 20	1300	9.4	1.4	3.10	0.10	7.8	0.255	0.129	7.78	81.38	3.91	933
SE 2	88 12 21	830	13.5	0.258	1.45	0.02	3.3	0.160	0.050	7.72	33.21	3.76	474
SE 3	89 1 10	345	4.9	0.004	0.84	0.05	16.3	0.076	0.052	7.71	41.5	2.13	756
SE 4	89 2 23	1015	11.7	0.326	2.54	0.06	4.9	0.168	0.044	7.61	77.0	3.1	707
SE 5	89 3 11	900	11.9	0.244	1.05	0.01	0.9	0.07	0.008	7.87	61	2.7	567
SE 6	89 3 11	1500	7.1	0.159	0.81	0.01	0.5	0.07	0.007	8.16	35.8	2.3	408
SE 7	89 3 11	2400	24.6	0.252	1.12	0.02	0.6	0.14	0.023	7.73	31.0	3.6	360
SE 8	89 3 12	600	16.8	0.112	1.03	0.01	0.6	0.12	0.008	7.76	31.0	3.1	372
SE 9	89 3 12	900	23.5	0.045	0.97	0.01	0.6	0.12	0.005	7.85	31.9	3.4	390
SE 10	89 3 12	1500	9.8	0.001	0.79	0.02	0.8	0.10	0.005	8.40	33.7	3.0	395
SE 11	89 3 28	1800	27.7	0.037	1.46	0.02	15.6	0.100	0.011	7.82	29.0	3.2	635
SE 12	89 3 28	2200	30.3	0.015	6.50	0.03	16.7	0.10	0.010	7.75	29.1	3.2	636
SE 13	89 3 28	2400	1389	0.122	12.0	0.39	13.6	3.38	0.008	7.30	39.1	38.1	556
SE 14	89 3 29	200	805	0.041	7.26	0.14	15.2	2.10	0.007	7.26	35.8	31.0	509
SE 15	89 3 29	400	553	0.004	5.59	0.05	16.6	1.94	0.085	7.34	39.1	28.7	489
SE 16	89 3 29	800	123	0.010	3.62	0.04	18.1	0.54	0.021	7.32	36.3	14.0	532
SE 17	89 3 29	1200	65.6	0.007	3.23	0.03	18.2	0.33	0.011	7.50	32.9	8.4	566
SE 18	89 3 29	1800	42.2	0.009	1.75	0.03	17.7	0.18	0.008	7.69	31.2	5.2	610
SE 19	89 3 29	2400	35.3	0.008	1.41	0.03	17.9	0.13	<0.001	7.65	32.8	3.7	655
SE 20	89 3 30	1200	23.7	0.047	1.24	0.03	16.7	0.10	0.004	7.76	30.9	3.2	648
SE 21	89 4 3	100	69.6	0.017	1.82	NA	NA	0.36	0.002	7.48	24.3	8.6	487
SE 22	89 4 4	300	46.7	0.016	1.75	NA	NA	0.36	0.088	7.38	25.5	6.6	520
SE 23	89 4 4	500	145	0.023	2.00	NA	NA	0.46	0.030	7.38	26.0	9.6	500
SE 24	89 4 4	700	404	0.032	3.06	NA	NA	0.94	0.035	7.40	31.9	19.8	458
SE 25	89 4 4	900	293	0.038	3.22	NA	NA	0.85	0.048	7.31	30.9	17.5	431
SE 26	89 4 4	1300	163	0.035	2.31	NA	NA	0.68	0.045	7.29	29.8	14.6	435
SE 27	89 4 4	1300	74.1	0.024	2.14	NA	NA	0.45	0.043	7.34	28.4	10.4	460
SE 28	89 4 4	1700	54.4	0.022	1.72	NA	NA	0.29	0.024	7.43	26.2	7.4	496
SE 29	89 4 5	100	91.1	0.058	1.85	NA	NA	0.34	0.046	7.45	28.2	7.5	515

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\+ sample exhausted

\# Nitrate and pH results suspect.

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NA not available

Essex Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 30		89	4	5	1500	34.7	0.037	1.29	NA	NA	0.15	0.020	7.61	27.9	4.1	567
SE 31		89	4	17	1200	8.3	0.016	0.91	<0.01	15.2	0.044	0.003	8.34	39.1	1.8	802
SE 32		89	4	17	1715	152	<0.001	1.39	0.01	13.3	0.23	0.014	7.97	53.6	4.4	740
SE 33		89	4	17	2015	1182	0.080	6.25	0.14	10.0	1.72	0.045	7.57	58.4	42	456
SE 34		89	4	17	2145	967	0.138	4.96	0.14	10.8	1.48	0.076	7.49	59.2	37	411
SE 35		89	4	17	2315	432	0.112	3.41	0.19	12.0	1.05	0.082	7.49	51.3	28	421
SE 36		89	4	18	2445	236	0.048	2.56	0.13	13.3	0.67	0.067	7.61	46.6	17.1	442
SE 37		89	4	18	345	133	0.054	2.24	0.11	14.2	0.65	0.056	7.66	40.9	13.5	487
SE 38		89	4	18	645	88.8	0.024	1.69	0.09	14.8	0.39	0.041	7.72	38.3	10.2	519
SE 39		89	4	18	1415	46.1	0.021	1.40	0.03	15.8	0.17	0.018	7.87	33.6	5.4	569
SE 40		89	4	19	815	29.3	0.013	1.07	0.03	15.5	0.081	0.013	7.91	34.6	2.9	673
SE 41		89	4	24	1120	10.1	0.071	0.85	0.02	14.7	0.028	<0.001	8.88	39.8	1.7	794
SE 42	G	89	4	24	1130	24.5	0.017	0.84	0.02	14.7	0.029	<0.001	8.82	40.3	1.7	792
SE 43		89	5	11	940	<5.0	0.248	1.22	0.10	5.0	0.026	0.005	7.82	56.1	2.4	922
SE 44		89	5	24	2400	16.6	NA	NA	NA	NA	0.050	<0.001	NA	39.9	2.2	897
SE 45		89	5	25	600	22.5	NA	NA	NA	NA	0.080	<0.001	NA	36.0	2.4	802
SE 46		89	5	25	900	19.8	NA	NA	NA	NA	0.084	0.032	NA	36.2	2.5	824
SE 47		89	5	25	1200	65.3	NA	NA	NA	NA	0.160	0.002	NA	32.7	4.3	750
SE 48		89	5	25	1800	25.9	NA	NA	NA	NA	0.080	<0.001	NA	52.6	2.2	795
SE 49		89	5	25	2100	796	NA	NA	NA	NA	0.49	<0.001	NA	43.8	13.9	646
SE 50		89	5	25	2400	2087	NA	NA	NA	NA	1.05	0.048	NA	81.6	54	485
SE 51		89	5	26	300	1137	NA	NA	NA	NA	0.94	0.042	NA	62.6	39	506
SE 52		89	5	26	600	305	NA	NA	NA	NA	0.375	0.049	NA	49.1	19.6	546
SE 53		89	5	26	1200	102	NA	NA	NA	NA	0.368	0.070	NA	33.7	8.0	623
SE 54		89	5	26	1500	84.8	NA	NA	NA	NA	0.266	0.046	NA	35.4	6.0	650
SE 55		89	5	26	1800	59.5	NA	NA	NA	NA	0.192	0.018	NA	34.7	4.8	690
SE 56		89	5	27	900	23.4	NA	NA	NA	NA	0.075	<0.001	NA	39.1	2.7	835
SE 57		89	5	28	600	19.5	0.013	1.17	0.09	17.5	0.055	<0.001	7.82	43.0	2.4	897
SE 58		89	5	28	2100	19.6	0.011	1.24	0.11	14.7	0.063	<0.001	7.83	42.6	2.4	850

@ samples too old for analysis

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\+ sample exhausted

\# Nitrate and pH results suspect.

? anomalous data withdrawn

NA not available

Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 59	89 5 30	600	25.8	0.007	1.10	0.15	14.7	0.073	0.001	7.94	37.5	2.4	890
SE 60	89 5 30	1800	15.5	<0.001	1.16	0.13	12.6	0.056	0.008	8.02	36.6	2.2	868
SE 61	89 5 30	2100	1966	0.009	5.85	0.09	8.5	1.81	0.004	7.65	27.0	1.9	630
SE 62	89 5 30	2400	2284	0.149	9.60	0.06	7.8	2.80	0.007	7.34	15.6	2.2	302
SE 63	89 5 31	300	1417	0.065	7.70	0.07	10.1	2.11	0.015	7.17	12.4	1.9	276
SE 64	89 5 31	600	894	0.042	6.05	0.06	11.4	1.72	0.011	7.03	10.5	2.1	249
SE 65	89 5 31	900	515	0.035	4.20	0.07	12.3	1.21	0.013	7.01	10.6	2.4	263
SE 66	89 5 31	1200	257	0.038	3.80	0.06	15.7	0.785	0.007	7.06	12.0	2.1	331
SE 67	89 5 31	1800	176	0.015	2.70	0.09	19.8	0.48	0.022	7.16	NA	10.4	447
SE 68	89 5 31	2100	1099	0.028	6.40	0.06	16.8	1.78	0.006	7.16	NA	21.1	440
SE 69	89 5 31	2400	1588	0.034	8.95	0.05	12.3	2.39	0.004	7.04	NA	47	312
SE 70	89 6 1	300	988	0.024	5.85	0.05	12.7	2.01	0.003	7.36	NA	38	307
SE 71	89 6 1	1200	160	0.032	2.76	0.06	17.8	0.52	0.004	7.24	NA	11.0	484
SE 72	89 6 1	2100	95.7	0.051	1.83	0.09	17.2	0.32	0.053	7.71	23.8	6.0	563
SE 73	89 6 1	2400	170	0.079	2.14	0.09	16.2	0.34	0.021	7.67	25.8	5.7	578
SE 74	89 6 2	300	1050	0.072	6.21	0.06	9.3	1.71	0.057	7.32	13.7	16.2	354
SE 75	89 6 2	600	723	0.027	4.13	0.05	9.4	1.38	0.030	7.20	10.8	17.3	302
SE 76	89 6 2	1500	150	0.041	2.10	0.07	14.1	0.45	0.040	7.48	26.9	8.7	452
SE 77	89 6 3	300	74.0	0.076	1.95	0.07	13.5	0.24	0.004	7.70	25.7	4.2	609
SE 78	89 6 3	1200	50.5	0.005	1.47	0.12	12.2	0.18	0.018	7.91	27.3	33.1	662
SE 79	89 6 3	1500	1031	0.058	4.18	0.07	8.4	1.43	0.027	7.52	18.8	2.2	481
SE 80	89 6 3	1800	721	<0.001	3.49	0.07	5.2	1.11	0.022	7.31	9.0	1.5	249
SE 81	89 6 3	2100	407	<0.001	2.93	0.07	6.2	0.97	0.125	7.24	NA	1.7	219
SE 82	89 6 4	600	130	0.047	2.01	0.06	10.7	0.50	0.036	7.39	21.5	8.2	408
SE 83	89 6 4	1800	71.9	0.027	1.64	0.09	12.4	0.32	0.020	7.44	22.7	4.7	522
SE 84	89 6 5	900	39.0	0.016	1.32	0.10	12.8	0.18	0.018	7.72	27.3	3.0	673
SE 85	89 6 19	1600	62.9	2.1	2.95	0.49	13.3	0.18	0.06	7.54	35.1	2.6	820
SE 86	89 6 19	1900	3006	0.4	11.1+	0.10	5.1	4.5+	0.03	7.06	6.7+	1.9+	201
SE 87	89 6 19	2200	2058	0.2	0.80	0.09	3.7	3.82+	0.01	6.84	4.2+	2.4+	128

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Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 88	89 6 20	400	336	2.0	0.52	0.49	10.7	0.99	<0.01	6.84	7.8+	2.3+	295
SE 89	89 6 20	1300	140	1.2	0.28	0.22	12.0	0.57	0.10	7.02	11.7+	2+	403
SE 90	89 6 21	100	89.9	0.5	1.98	0.13	13.2	0.31	0.05	7.34	22.1	6.2	534
SE 91	89 6 21	1000	60.3	0.3	1.60	0.11	12.5	0.21	0.03	7.53	23.4	4.4	611
SE 92	89 6 21	2200	45.6	0.3	1.53	0.16	12.0	0.16	0.02	7.58	26.6	3.5	672
SE 93	89 6 22	1000	40.5	0.6	1.62	0.37	12.2	0.11	0.01	7.73	29.8	3.0	745
SE 94	89 7 19	1700	---------- NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED ----------										
SE 95	89 7 19	2000	---------- NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED ----------										
SE 96	89 7 19	2300	---------- NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED ----------										
SE 97	89 7 20	500	---------- NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED ----------										
SE 98	89 7 20	800	---------- NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED ----------										
SE 99	89 7 20	1100	---------- NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED ----------										
SE 100	89 7 20	1400	175	<0.1	2.44	0.34	11.1	0.38	0.02	7.16	8.1	3.2	399
SE 101	89 7 20	2000	187	0.1	2.49	0.47	15.3	0.30	<0.01	7.12	8.7	2.9	430
SE 102	89 7 21	500	171	<0.1	2.60	0.21	11.3	0.26	<0.01	7.20	12.0	2.8	474
SE 103	89 7 22	200	128	<0.1	2.00	0.12	5.2	0.13	<0.01	7.65	27.5	2.7	584
SE 104	89 7 23	1400	221	<0.1	2.11	0.11	4.0	0.23	<0.01	7.95	43.7	2.6	797
SE 105	89 7 23	1700	135	<0.1	1.89	0.12	3.8	0.14	<0.01	7.95	47.5	2.7	820
SE 106	89 7 24	800	54.8	<0.1	1.45	0.17	2.5	0.02	<0.01	7.93	55.1	2.8	882
SE 108 G	89 10 18	1048	34.8	<0.1	1.13	0.01	<0.1	0.11	0.02	7.72	618	11.8	2530
SE 109 G	89 10 20	1154	11.3	0.4	1.22	0.06	5.4	0.16	0.09	7.72	267	9.1	1350
SE 110 G	89 11 9	1146	13	<0.1	0.77	0.06	1	0.14	<0.01	7.94	231	7.9	1430
SE 111	89 11 9	1146	261	0.1	1.65	0.06	1	0.43	<0.01	7.92	227	7.8	1430
SE 112	89 11 14	1600	1264	0.1	3.77	0.02	0.5	1.28	0.06	7.75	183	6.2	1257
SE 113	89 11 15	400	280	0.1	1.18	0.02	0.9	0.29	0.01	7.95	165	7.2	1211
SE 114	89 11 15	1300	184	0.1	0.79	0.04	0.8	0.21	<0.01	8.08	146	8.1	1148
SE 115	89 11 15	2200	331	0.1	3.79	0.05	11.9	0.54	0.04	7.58	95.1	6.3	876
SE 116	89 11 16	100	285	0.1	4.37	0.05	19.4	0.47	0.01	7.47	75.6	5.7	857
SE 117	89 11 16	1000	239	0.1	2.22	0.12	25.2	0.45	<0.01	7.46	62.9	4.9	778

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Nitrate and pH results suspect.

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NA not available

Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 118	89 11 16	2200	167	0.1	1.58	0.12	27.5	0.33	<0.01	7.6	45.8	5	726
SE 119	89 11 17	1000	163	0.1	1.55	0.12	27.1	0.27	0.04	7.65	49.8	4.2	763
SE 120 G	89 11 30	1235	5.4	<0.1	0.69	0.05	4.8	0.08	<0.01	7.88	132	4.2	1112
SE 122	89 12 12	1313	6.4	2.4	+	0.04	1.8	0.09	0.06	7.96	132	5.4	1400
SE 123	89 12 13	1231	4.5	1.4	1.52	0.03	1.7	0.07	0.03	7.89	153	5.8	1540
SE 124 *	90 1 4	1530	205	0.2	2.88	0.07	3.1	0.6	0.08	7.16	26.7	4.6	268
SE 125 *	90 1 4	1730	169	0.2	2.64	0.06	3.5	0.54	0.14	7.13	26.9	3.8	275
SE 126 *	90 1 4	2130	118	0.2	2.5	0.06	4.6	0.45	0.09	7.21	26.9	4.7	307
SE 127 *	90 1 5	130	99.1	0.2	2.53	0.05	5.3	0.39	0.06	7.25	34.4	3.9	396
SE 128 *	90 1 5	730	54.1	0.2	2.41	0.06	6	0.35	0.06	7.34	35.6	3.8	426
SE 129 *	90 1 5	1130	66.3	0.1	2.54	0.07	6	0.42	0.05	7.24	27.8	3.7	358
SE 130 *	90 1 5	1430	127	0.1	2.35	0.06	6	0.46	0.03	7.26	22.2	3.4	307
SE 131 *	90 1 5	1730	91.7	0.1	2.46	0.06	6.4	0.44	0.02	7.2	18.9	3.2	285
SE 132 *	90 1 6	1130	38.7	0.2	2.18	0.07	6.6	0.32	0.05	7.39	30.4	3.5	390
SE 133 *	90 1 7	530	29.7	0.1	2.03	0.09	6.5	0.29	0.04	7.37	33.8	3.9	414
SE 134 #	90 1 16	1700	58.5	0.1	1.35	0.1	5.9	0.19	0.01	7.37	36.4	3.6	534
SE 135 #	90 1 17	800	32.8	<0.1	1.17	0.07	6.7	0.18	0.01	7.41	32	3.4	481
SE 136 #	90 1 17	1400	85.1	<0.1	1.69	0.05	9.5	0.34	0.01	7.22	22.6	2.8	410
SE 137 #	90 1 17	1700	66.4	<0.1	1.66	0.06	11.8	0.34	0.03	7.16	27.7	4.5	416
SE 138 #	90 1 17	2300	89.5	<0.1	1.52	0.06	13.2	0.29	0.05	7.01	22.4	3.1	416
SE 139 #	90 1 18	200	133	<0.1	2.51	0.06	13.4	0.44	0.04	6.93	23.3	3.1	411
SE 140 #	90 1 18	500	123	<0.1	2.13	0.06	14.2	0.41	0.04	6.88	24.8	4.3	399
SE 141 #	90 1 18	800	86.5	<0.1	1.91	0.07	16	0.37	0.03	6.94	27.1	3.2	431
SE 142 #	90 1 18	1700	55.9	<0.1	1.59	0.09	18	0.24	0.03	6.99	28.6	2.9	482
SE 143 #	90 1 19	200	41.1	<0.1	1.58	0.09	19.3	0.17	0.05	7.12	28.5	3.2	528
SE 144 #	90 1 19	800	34.5	<0.1	1.46	0.09	18.6	0.14	0.03	7.25	30	3	557
SE 145 #	90 1 19	1100	73.5	<0.1	1.66	0.1	18.2	0.13	0.02	7.28	33.2	2.8	576
SE 146	90 1 30	1709	13.6	<0.1	1.02	0.32	9.7	0.05	0.02	7.65	39.1	2.5	769
SE 146 G	90 1 30	1709	11.8	<0.1	0.79	0.05	10.6	0.05	0.03	7.98	39.1	2.4	781

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Nitrate and pH results suspect.

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NA not available

Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 148	90 3 5	1729	105	<0.1	1.62	0.05	5.2	0.41	0.03	7.42	32.6	2.3	620
SE 149	90 3 5	1729	22.8	<0.1	1.03	0.05	5.5	0.15	0.03	7.68	34	2.1	620
SE 150	90 4 3	1042	83.9	0.1	2.33	0.14	5.5	0.22	<0.01	7.46	33.1	2.4	638
SE 150 G	90 4 3	1042	20.4	0.1	1.57	0.05	8.1	0.21	<0.01	7.92	27.7	2.1	589
SE 151	90 4 9	1700	22.6	<0.1	1.11	0.04	5.4	0.06	<0.01	8.33	41.1	2.1	710
SE 152	90 4 10	800	34.7	<0.1	1.14	0.04	5.4	0.07	<0.01	7.73	41.2	1.9	786
SE 153	90 4 10	1100	42.9	<0.1	1.08	0.04	5.1	0.09	<0.01	7.89	42.4	2	756
SE 154	90 4 10	1700	280	<0.1	3.19	0.05	8.4	0.67	0.01	7.27	17.3	2.3	389
SE 155	90 4 10	2000	95.6	<0.1	3.46	0.06	9.3	0.78	<0.01	7.1	12.6	2.4	311
SE 156	90 4 11	500	62.2	<0.1	2.98	0.08	9.1	0.6	0.03	7.19	11.1	4.6	331
SE 157	90 4 11	1700	41.4	<0.1	2.51	0.09	8.9	0.39	0.03	7.34	15.7	4.9	410
SE 158	90 4 18	1245	10.7	<0.1	1	0.03	6.3	0.04	?	8.69	35.5	1.9	688
SE 158 G	90 4 18	1245	10.5	<0.1	1.03	0.03	6.5	0.03	0.02	8.85	36.2	1.9	683
SE 159	90 4 13	1600	19.4	<0.1	1.19	0.03	6.7	0.08	0.03	8.25	26.6	2.1	613
SE 160	90 5 4	1000	81.5	0.1	1.49	0.03	1.5	0.21	<0.01	7.97	43.8	2.6	838
SE 161	90 5 4	1300	195	<0.1	1.82	0.02	1.4	0.36	<0.01	7.77	43.3	2.3	708
SE 162	90 5 4	1900	220	<0.1	3.26	0.05	10.6	0.82	<0.01	7.25	16.9	2.2	401
SE 163	90 5 4	2200	113	<0.1	3.44	0.06	12.4	0.72	<0.01	7.3	13	2.3	375
SE 164	90 5 5	400	88.5	<0.1	3.44	0.07	11.5	0.6	<0.01	7.42	12.6	2.5	393
SE 165	90 5 5	2200	53.9	<0.1	2	0.06	9.8	0.25	<0.01	7.71	18	2.4	519
SE 166	90 5 7	400	23.6	<0.1	1.36	0.05	8.4	0.1	<0.01	7.83	25.7	2	675
SE 167	90 5 7	953	19.7	<0.1	1.31	0.04	7.7	0.08	<0.01	8.07	26.1	2.1	689
SE 167 G	90 5 7	953	14.3	<0.1	1.27	0.04	8.3	0.06	<0.01	8.18	27	2	704
SE 168	90 5 12	2300	39.3	0.016	1.18	0.04	3.6	0.074	<0.001	7.82	32.9	2.1	799
SE 169	90 5 13	300	146	0.014	1.6	0.03	3.4	0.21	<0.001	7.65	30.6	2.4	709
SE 170	90 5 13	700	287	0.059	3.4	0.04	8	0.65	0.007	7.29	21.9	2.7	469
SE 171	90 5 13	900	457	0.179	5.3	0.04	9.4	1.22	0.012	7.13	15.2	2.5	356
SE 172	90 5 13	1100	412	0.145	6.4	0.04	9.7	1.34	0.012	6.97	13.6	2.4	315
SE 173	90 5 13	1500	193	0.077	5.1	0.04	9.4	1.13	0.014	7.02	9.9	2.5	294

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Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 174	90 5 14	300	83.7	0.05	3.15	0.05	7.7	0.52	0.038	7.24	11.1	2.6	360
SE 175	90 5 14	1900	458	0.07	5.1	0.07	7.7	0.76	<0.001	7.32	17.5	2.2	496
SE 176	90 5 15	400	42.9	<0.001	1.95	0.06	7.6	0.165	<0.001	7.66	20.4	2.2	569
SE 177	90 5 16	100	39.7	0.008	1.65	0.07	6.9	0.11	<0.001	7.72	24.5	2.2	648
SE 178	90 5 16	700	288	0.015	3	0.05	5.6	0.64	0.018	7.41	19	3	497
SE 179	90 5 16	1000	559	0.005	4.7	0.04	5.6	1.21	0.009	7.16	12.3	2.2	324
SE 180	90 5 16	1300	232	0.005	4.3	0.03	5	1.06	0.006	7.04	7.9	2.7	244
SE 181	90 5 16	1900	294	0.016	3.8	0.02	4.9	0.85	0.009	7.09	7.8	2.9	265
SE 182	90 5 17	400	216	0.002	3	0.02	3.9	0.57	0.008	7.25	10.3	2.9	342
SE 183	90 5 17	1000	544	0.088	4.7	0.06	5.6	1.24	0.033	7.25	12.4	2.6	342
SE 184	90 5 17	1300	407	0.03	4	0.06	4.6	1.07	0.01	7.23	11.7	2.4	337
SE 185	90 5 17	1600	266	0.017	3.5	0.05	4.2	0.84	0.003	7.32	13	2.8	349
SE 186	90 5 18	100	88.9	<0.001	2.3	0.04	4.6	0.46	0.003	7.53	17.1	2.2	420
SE 187	90 5 19	100	39.6	<0.001	1.5	0.05	6	0.135	<0.001	7.87	26.9	2.2	626
SE 188	90 5 21	400	25.4	<0.001	1.05	0.06	5.9	0.065	<0.001	7.85	33.2	2.2	759
SE 189	90 5 21	1042	30	<0.001	1.05	0.05	5.7	0.072	<0.001	7.99	32.1	2.2	770
SE 189 G	90 5 21	1042	20.9	<0.001	1	0.05	5.6	0.06	<0.001	8.07	32.2	2	771
SE 190	90 6 4	1051	46.7	0.011	2.02	0.03	1.4	0.214	<0.001	7.72	36	2.3	612
SE 190G	90 6 4	1051	17.1	0.002	1.2	0.04	1.5	0.115	0.003	7.96	37.6	2.2	597
SE 191	90 6 21	1117	16.3	0.006	1.38	0.01	<0.1	0.074	0.021	7.65	37.2	2.2	882
SE 191 G	90 6 21	1117	5.2	0.005	1.15	0.02	<0.1	0.105	0.011	8.09	37.2	2.2	886
SE 192	90 7 23	1230	6.1	0.081	1.16	0.03	<0.1	0.094	0.049	7.8	248	10.9	1500
SE 192 G	90 7 23	1230	6.2	0.223	1.42	0.03	<0.1	0.108	0.046	7.8	245	10.8	1510
SE 193	90 8 13	1439	8.1	0.15	1.3	0.03	1.3	0.175	0.096	7.29	290	7	1460
SE 193 G	90 8 13	1439	6.6	0.028	1.05	0.09	1.6	0.2	0.139	7.54	254	6.6	1380
SE 194	90 8 18	2100	8.7	@	@	@	@	0.11	0.046	@	528	8.7	2420
SE 195	90 8 19	200	531	@	@	@	@	0.9	0.044	@	73.9	3.7	522
SE 196	90 8 19	700	290	@	@	@	@	0.85	0.23	@	30.1	4.1	365
SE 197	90 8 19	1200	109	@	@	@	@	0.44	0.004	@	61.6	4.1	506

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+ sample exhausted

Nitrate and pH results suspect.

? anomalous data withdrawn

NA not available

Essex Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 198		90	8	19	1500	86.7	@	@	@	@	0.355	0.024	@	72.6	3.4	580
SE 199		90	8	19	1800	117	@	@	@	@	0.465	0.003	@	35.8	3	427
SE 200		90	8	19	2100	87.7	@	@	@	@	0.4	0.064	@	48.4	3.2	469
SE 201		90	8	20	1500	33	@	@	@	@	0.145	0.025	@	85.9	3.4	715
SE 202		90	8	21	900	22.7	@	@	@	@	0.11	0.025	@	92	4.9	807
SE 203		90	8	22	1200	19.5	@	@	@	@	0.096	0.071	@	137	3.6	909
SE 204		90	9	6	1930	80	0.052	1.45	0.02	1.4	0.27	0.35	7.39	196	7.5	928
SE 205		90	9	6	2230	353	0.026	2.8	0.03	2	0.98	0.152	7.05	30.3	3.4	253
SE 206		90	9	7	130	229	0.023	2.35	0.03	1.5	0.565	0.17	6.9	4.3	2.7	116
SE 207		90	9	7	430	151	0.05	2.05	0.03	1.4	0.475	0.23	6.82	4.5	3.4	129
SE 208		90	9	7	730	105	0.024	2.06	0.02	1.3	0.384	0.098	6.8	4.5	3.2	138
SE 209	G	90	9	7	1133	108	0.037	2.28	0.04	2.4	0.62	0.072	6.63	5.1	2.8	143
SE 209		90	9	7	1133	82	0.038	2.06	0.02	1.7	0.43	0.091	6.64	4	3.4	131
SE 210		90	9	7	1930	105	0.01	2.76	0.03	0.7	0.62	0.189	6.99	4.5	3.8	192
SE 211		90	9	8	1930	PET BOTTLES MIS-LABELLED							0.32	18.4	3.2	
SE 212		90	9	10	1030	PET BOTTLES MIS-LABELLED							0.044	34.2	2.6	
SE 213		90	9	14	1230	35.9	0.052	1.15	0.04	0.4	0.12	0.054	8.12	52.6	3.3	818
SE 214		90	9	14	1530	38.8	0.12	1.65	0.05	0.9	0.31	0.119	7.05	21.9	4.3	203
SE 215		90	9	14	1830	533	0.025	2.9	0.04	1.2	0.81	0.043	7.03	5.8	2.8	154
SE 216		90	9	14	2130	228	0.0254	2.2	0.04	0.8	0.51	0.248	7.08	2.7	3.2	129
SE 217		90	9	15	930	161	0.004	2.65	0.03	0.8	0.565	0.01	7.27	5.3	2.9	241
SE 218		90	9	16	0030	136	0.028	2.45	0.03	1.3	0.5454	0.013	7.42	12.3	2.8	335
SE 219		90	9	16	930	231	0.002	1.9	0.03	0.5	0.465	<0.001	6.96	2.3	2.3	110
SE 220		90	9	16	1230	106	0.003	1.75	0.03	0.4	0.41	0.036	7.07	2.4	2.5	128
SE 221		90	9	17	330	84.2	0.005	2.1	0.03	1	0.465	0.006	7.37	6.4	2.6	238
SE 222		90	9	19	0030	62.3	0.069	1.4	0.06	1.5	0.195	BROKEN	7.68	22.3	4.6	499
SE 223		90	9	19	630	79.3	0.208	1.6	0.03	1.5	0.27	0.156	7.54	19.7	2.1	490
SE 224		90	9	19	1230	39	0.004	2	0.04	0.6	0.44	0.18	6.86	3.5	2.3	143
SE 225		90	9	19	1530	153	0.015	1.7	0.02	0.7	0.365	0.062	6.85	2.8	2.7	127

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NA not available

Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 226	90 9 20	30	104	0.005	1.95	0.02	0.7	0.435	0.013	7.09	5.1	2.7	203
SE 227	90 9 20	1530	102	0.009	1.65	0.02	1	0.36	0.014	7.36	10.5	2.6	310
SE 228	90 9 21	930	59.1	0.036	1.55	0.02	1	0.25	0.029	7.47	16.5	2.4	424
SE 229 G	90 9 25	1226	19.5	0.112	1.12	0.13	1.6	0.086	0.033	8.1	29.2	2.3	669
SE 229	90 9 25	1226	26.2	0.037	1.22	0.09	1.4	0.1	0.013	8.13	28.9	2.3	671
SE 230	90 10 8	2300	20.3	0.189	1.02	0.13	0.9	0.086	NA	7.93	41.8	4	816
SE 231	90 10 9	500	256	0.034	2.9	0.04	2.7	0.49	NA	7.27	27.3	5	456
SE 232	90 10 9	800	288	0.045	3.6	0.02	2.3	0.64	0.277	6.97	21.5	6.3	376
SE 233	90 10 9	1100	204	0.052	3.4	0.03	3.4	0.56	0.01	6.99	12.9	5.6	321
SE 234 G	90 10 9	1130	127	0.071	3.2	0.02	3.3	0.53	0.037	6.92	12.3	5.5	322
SE 234	90 10 9	1130	123	0.071	3.4	0.03	3.6	0.53	NA	6.96	12.1	5.4	318
SE 235	90 10 9	1400	133	0.072	3	0.03	3.8	0.41	NA	7.13	12.4	5.3	321
SE 236	90 10 9	2000	128	0.032	2.9	0.02	2.7	0.4	NA	7.09	12.7	5	306
SE 237	90 10 10	200	62.9	0.042	2.5	0.02	2.8	0.31	NA	7.11	11.7	4.8	286
SE 238	90 10 10	800	79.1	0.077	2.4	0.02	2.3	0.32	NA	7.14	11.5	4.4	259
SE 239	90 10 10	1400	67.3	0.032	2.2	0.03	2.5	0.3	NA	7.22	10.1	4.2	260
SE 240	90 10 10	2000	54.4	0.036	2.4	0.03	1.9	0.365	NA	7.2	11	4.4	247
SE 241	90 10 11	800	59.8	0.046	2.2	0.03	2	0.33	0.027	7.26	10.4	4	262
SE 242	90 10 11	2300	63.1	0.004	2.08	0.04	2.2	0.17	0.018	1.47	14.7	4.6	334
SE 243	90 10 13	1500	55.9	0.004	1.5	0.03	1.5	0.294	0.004	7.74	17.7	2.8	477
SE 244	90 10 15	700	37.2	0.011	1.2	0.06	1.8	0.17	0.008	7.85	24.9	2.4	615
SE 245 G	90 10 24	940	NA	0.006	0.79	0.09	1.8	0.108	0.02	7.9	33.5	2.5	794
SE 245	90 10 24	940	NA	0.041	0.8	0.09	1.3	0.044	0.022	7.94	32.2	2.6	791
SE 246 G	90 11 6	1640	87.2	0.016	2.45	0.02	4.3	0.475	0.37	7.09	20	4.1	380
SE 246	90 11 6	1640	189	0.027	3.4	0.01	3.5	0.63	0.023	7.07	22.5	3.8	452
SE 247 G	90 11 28	1036	325	0.004	3.1	0.03	2.6	0.67	0.016	7.38	27.8	3.9	460
SE 247	90 11 28	1036	423	0.024	3.7	0.04	2.2	0.7	0.031	7.22	28.4	6.5	460
SE 248 G	90 12 4	1522	186	0.006	2.7	0.05	5.2	0.64	0.036	7.11	10.2	3.3	270
SE 248	90 12 4	1522	277	0.029	3.1	0.06	4.5	0.66	0.088	7	15.8	6.3	307

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+ sample exhausted

Nitrate and pH results suspect.

? anomalous data withdrawn

NA not available

Essex Control Watershed — Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 249 G	91 1 9	1111	28.4	0.347	0.59	0.02	1.9	0.058	0.058	7.99	44.8	2.1	886
SE 249	91 1 9	1111	91.4	0.005	1.54	0.02	2.1	0.182	<.001	7.79	29.3	2.1	810
SE 250 G	91 2 19	1516	58.4	0.081	1.38	0.02	3.1	0.212	0.036	7.23	9.5	1.7	197
SE 250	91 2 19	1516	82.3	0.003	1.6	0.03	2.5	0.23	0.006	6.92	9.6	1.9	217
SE 251	91 3 1	1800	51	0.037	0.94	0.02	1.2	0.126	0.013	8	22.8	1.7	512
SE 252	91 3 2	1800	90.6	0.005	1.75	0.03	4.2	0.315	0.025	7.46	13.3	2	307
SE 253	91 3 2	2100	561	0.005	4.65	0.03	4.4	1.4	0.028	7.23	13	2.1	270
SE 254	91 3 2	2400	361	0.007	4.25	0.03	5.1	1.2	0.025	7.21	12.5	2.3	265
SE 255	91 3 3	600	147	0.007	3.5	0.02	5.2	0.825	0.028	7.37	19	2.4	319
SE 256	91 3 4	1500	26.6	0.003	1.01	0.01	2.9	0.091	0.025	7.88	28.5	2.2	622
SE 257 G	91 4 2	1013	8.4	0.003	0.63	0.01	1.4	0.027	0.001	8.15	41.2	2.1	838
SE 257	91 4 2	1013	9.6	0.043	0.8	0.02	1.5	0.029	0.007	7.8	38.9	2.1	801
SE 258	91 4 19	1700	226	<0.1	2.52	<0.01	3.6	0.46	<0.01	7.82	32.6	2.3	652
SE 259	91 4 19	2300	592	<0.1	4.42	0.05	7.2	1.22	<0.01	7.5	8.2	1.9	242
SE 260	91 4 20	500	225	<0.1	2.67	0.04	8.3	0.72	<0.01	7.41	7.8	2.1	234
SE 261	91 4 20	800	312	<0.1	3.14	0.04	7.3	0.83	<0.01	7.45	7.7	2	215
SE 262	91 4 20	1100	301	0.1	2.71	0.05	6.7	0.82	0.07	7.39	7.8	3.9	194
SE 263	91 4 20	2300	78.3	<0.1	2.13	0.02	8.1	0.59	0.02	7.5	7.3	2	247
SE 264	91 4 22	1400	25.1	<0.1	0.65	0.01	7.4	0.12	0.01	7.93	13.7	2	430
SE 265 G	91 4 23	931	19	<0.1	1.15	0.01	6.3	0.1	0.01	8.16	19.8	1.9	566
SE 265	91 4 23	931	20.7	<0.1	1.31	0.06	6.6	0.14	<0.01	7.84	16.4	2	492
SE 266 G	91 5 23	1543	6.2	0.023	1.02	<0.01	0.1	0.048	0.024	8.17	42.2	0.7	711
SE 266	91 5 23	1543	78.8	0.011	1.82	<0.01	0.1	0.138	0.015	7.18	32.8	2	722
SE 267	91 5 26	100	685	0.005	2.3	0.01	0.3	0.45	0.012	8.28	32.3	1.4	701
SE 268	91 5 26	500	1666	0.013	4.2	0.01	1	0.91	0.018	8.14	31.8	1.8	690
SE 269	91 5 26	900	141	0.067	2.85	0.39	18.4	0.495	0.425	7.94	66.3	3.9	822
SE 270	91 5 26	1700	116	1.18	2.8	3.25	26.5	0.318	0.076	7.61	81.4	5.1	887
SE 271	91 5 27	1300	10.6	0.987	1.92	0.8	16	0.04	0.007	7.78	69.9	3.4	884
SE 272 G	91 5 29	1030	9.6	0.019	0.96	0.16	1.4	0.033	0.01	8.46	41	1.5	798

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NA not available

Essex Control Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 272		91	5	29	1030	20.6	0.023	0.96	0.14	1.3	0.036	0.007	8.33	40.8	1.6	794
SE 273		91	5	31	2000	21.2	0.009	0.84	0.04	0.3	0.056	<0.001	8.35	32.2	1.3	712
SE 274		91	5	31	2300	90.4	0.016	1.26	0.05	1.3	0.158	<0.001	8.15	35.2	1.7	679
SE 275		91	6	1	200	@	0.013	9	0.62	4.1	@	0.038	@	34.4	2.1	@
SE 276		91	6	1	1100	----------			NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED					----------		
SE 277		91	6	2	800	----------			NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED					----------		
SE 278		91	6	2	1400	----------			NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED					----------		
SE 279		91	6	3	800	119	3.2	6.2	0.61	17.6	0.215	<0.001	7.99	53.8	3.9	736
SE 280		91	6	4	900	----------			NO SAMPLE SUBMITTED, ISCO SAMPLER DISABLED					----------		
SE 281	G	91	6	13	958	14.2	0.013	0.85	<0.01	0.2	0.032	0.004	8.2	46.4	0.6	768
SE 282		91	10	24	1600	206	0.071	6	0.06	4.5	0.615	0.017	7.24	466	10.4	2790
SE 283		91	10	25	1300	11.1	0.095	1.68	0.32	5	0.142	0.07	7.88	422	8	2230
SE 284		91	10	25	1900	15.6	0.092	1.48	0.28	8.9	0.14	0.058	7.88	373	8.2	2130
SE 285		91	10	25	2200	21.2	0.068	1.74	0.19	9.2	0.148	0.061	7.86	353	8.5	1880
SE 286		91	10	26	100	17.9	0.067	1.64	0.16	7.1	0.166	0.081	7.86	325	8.3	1680
SE 287		91	10	26	1000	13.3	0.043	1.44	0.03	2.9	0.12	0.078	7.66	426	8.3	1890
SE 288		91	10	27	1300	NOT SUBMITTED										
SE 289		91	10	28	1300	6.1	0.04	1.03	0.01	3.3	0.098	0.052	7.94	455	8.2	1940
SE 290		91	10	28	1342	9.5	0.03	1.11	0.01	3.2	0.106	0.048	7.9	472	8.4	1940
SE 290	G	91	10	28	1342	4.6	0.017	1.02	0.01	3.2	0.094	0.054	8.02	449	8.2	1950
SE 291		91	11	18	1800	14.8	<0.001	0.82	0.09	1.3	0.052	0.003	8.21	425	7.7	1960
SE 292		91	11	19	1200	11.6	<0.001	0.84	0.26	5.4	0.05	0.003	8.19	384	6.5	1790
SE 293		91	11	20	300	15.1	<0.001	1.18	0.1	14.6	0.058	0.001	8.15	311	5.4	1490
SE 294		91	11	20	600	228	<0.001	2.95	0.15	22.5	0.51	0.011	7.66	173	3.9	1023
SE 295		91	11	20	900	137	<0.001	2.55	0.15	22.5	0.395	0.029	7.63	135	3.9	901
SE 296		91	11	20	1800	118	<0.001	1.86	0.1	21	0.294	0.046	7.64	151	4	955
SE 297		91	11	20	2400	118	<0.001	2.65	0.09	19.8	0.47	0.05	7.46	85.5	3.7	696
SE 298		91	11	21	600	69.9	<0.001	2.7	0.07	19	0.4	0.044	7.56	92.1	3.6	701
SE 299	G	91	11	21	1545	56.7	<0.001	2.55	0.05	22.5	0.3	0.051	7.58	74.5	3.8	730

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\+ sample exhausted

\# Nitrate and pH results suspect.

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NA not available

Essex Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 299		91	11	21	1545	70.8	<0.001	2.35	0.08	19.6	0.315	0.041	7.66	85.1	3.8	717
SE 300		91	11	22	1000	39.8	<0.001	1.94	0.05	19	0.152	0.029	7.84	na	4.1	844
SE 301		91	11	25	1000	7.2	0.145	1.14	0.05	10.9	0.057	0.023	7.82	193	4.4	1124
SE 302	G	91	11	29	1123	17.6	0.065	1.07	0.1	27	0.106	0.038	7.73	168	4.9	1094
SE 302		91	11	29	1123	9.6	0.036	1.3	0.43	14.4	0.1	NA	7.33	184	4.8	1121
SE 303	G	91	12	9	1310	19.1	<0.001	1.08	0.06	12.9	0.126	0.178	8.01	42.4	2.7	579
SE 303		91	12	9	1310	13.2	<0.001	1.16	0.7	14.2	0.072	0.005	7.41	64.5	3.2	736
SE 304	G	92	1	9	1123	11.1	0.108	0.72	0.03	17	0.042	0.014	7.97	51.1	2.3	817
SE 304		92	1	9	1123	19.7	0.02	1.34	0.03	7.8	0.058	0.001	7.17	52.6	2.9	825
SE 305	G	92	2	14	1031	3	0.187	0.96	0.06	8.9	0.093	0.053	7.77	71.8	2.3	834
SE 305		92	2	14	1031	20.8	0.032	1.5	0.04	7.6	0.14	0.043	7.4	75.5	2.6	842
SE 306		92	2	18	1300	98	0.339	2.5	0.02	6.9	0.33	0.267	7.11	16.6	2.3	326
SE 307		92	2	18	1900	264	0.072	2.85	0.08	6.9	0.645	0.064	6.96	11.2	2.5	251
SE 308		92	2	19	100	171	0.038	2.6	0.04	6.4	0.665	0.034	6.76	7	2.1	169
SE 309		92	2	19	1300	106	0.011	1.95	0.03	4.4	0.49	0.026	6.74	5.7	2.2	151
SE 310		92	2	21	1000	79.7	0.051	1.88	0.03	8.3	0.342	0.04	7.11	12.5	2	315
SE 311	G	92	2	24	1246	21.3	0.011	1.34	0.03	9.6	0.196	0.02	7.21	23.1	2.1	440
SE 311		92	2	24	1246	16.5	0.013	1.42	0.03	10.3	0.18	0.016	7.25	25.9	2.5	446
SE 312		92	3	6	1500	18.6	<0.001	0.78	0.16	10.4	0.061	0.011	7.93	39.9	2	680
SE 313		92	3	7	300	128	0.016	1.74	0.17	9.8	0.308	0.015	7.52	37.5	2	588
SE 314		92	3	7	1200	429	0.01	5	0.11	8.1	1.4	0.018	6.95	19.8	2.5	312
SE 315	G	92	3	7	1540	333	0.011	4	0.09	8.4	1.32	0.051	6.9	15.7	2.7	263
SE 315		92	3	7	1540	356	0.012	4.1	0.1	8.3	1.15	0.02	6.93	15.4	2.8	258
SE 316		92	3	8	300	177	0.015	3.5	0.12	9.7	0.79	0.026	7.08	15.6	3.1	325
SE 317		92	3	9	900	87.9	0.001	2.1	0.12	11.7	0.29	0.009	7.48	25.4	2.5	517
SE 318		92	3	10	600	66.9	0.005	1.36	0.08	12.2	0.164	0.017	7.64	34.7	2.8	603
SE 319		92	3	10	900	934	<0.001	5.6	0.04	7.5	1.68	0.019	7.2	21.2	2.4	361
SE 320		92	3	10	1200	645	0.007	5.8	0.06	5.3	2.1	0.017	7.06	16.6	2.9	245
SE 321		92	3	10	1500	495	0.009	5.5	0.06	5.3	1.88	0.032	7.05	14.5	2.6	208

@ samples too old for analysis

* samples old when recieved, results suspect.

\+ sample exhausted

\# Nitrate and pH results suspect.

? anomalous data withdrawn

NA not available

Essex Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 322		92	3	11	300	103	0.02	3.8	0.07	8.2	0.945	0.014	7.25	18.1	2.5	326
SE 323		92	3	11	600	101	0.008	3.45	0.05	9.4	0.83	0.013	7.39	18.7	2.4	332
SE 324		92	3	11	900	152	0.002	2.8	0.03	10.3	0.725	0.042	7.41	20.8	2.3	394
SE 325		92	3	12	900	71.6	0.001	1.56	0.05	12.8	0.208	0.01	7.53	30.7	2.3	550
SE 326		92	3	25	1500	133	0.039	2.5	0.61	8.8	0.36	0.014	7.26	23.1	2.2	477
SE 327		92	3	25	2100	145	0.033	2.5	0.05	8.8	0.59	0.052	7.09	10.9	2.1	258
SE 328		92	3	26	2100	81.4	0.034	2.1	0.03	7.7	0.39	0.032	7.23	16.3	2.2	303
SE 329		92	3	27	1200	172	0.031	3.9	0.05	6.2	0.78	0.054	7.02	11	2.5	208
SE 330		92	3	27	1500	163	0.028	2.7	0.04	5.8	0.69	0.053	7.1	10.7	3.1	198
SE 331		92	3	28	300	101	0.034	2.3	0.05	7.9	0.58	0.064	7.17	13.7	4.8	295
SE 332		92	3	29	2000	43	0.059	1.34	0.03	10.6	0.138	0.022	7.55	24.9	2.4	542
SE 333		92	3	30	1217	46.4	0.023	1.42	0.05	11	0.17	0.026	7.64	25.3	1.8	545
SE 333	G	92	3	30	1217	36	0.027	1.2	0.03	10.4	0.166	0.027	7.62	24.3	1.8	537
SE 334		92	4	7	1126	40.4	0.035	1.36	0.06	12.1	0.037	<0.001	8.26	35.9	1.9	717
SE 334	G	92	4	7	1126	110.1	0.04	0.75	0.04	13.1	0.088	0.005	8.52	37.2	2	742
SE 335		92	4	16	900	17.8	0.047	1.04	0.18	11.3	0.048	0.003	7.86	50.9	2	821
SE 336		92	4	16	2100	443	0.052	4.4	0.1	11.8	0.99	0.011	7.29	36.3	2.1	596
SE 337		92	4	18	900	96.3	0.056	2.3	0.08	12.9	0.31	0.003	7.53	36.5	2.1	603
SE 338		92	4	18	1300	128	0.048	3	0.1	12.8	0.525	0.005	7.34	26.2	2	474
SE 339		92	4	20	500	22.7	0.03	1.37	0.09	11.7	0.098	0.002	7.55	30.9	2.1	624
SE 340		92	4	23	1700	77.3	0.079	2	0.2	9.8	0.27	0.028	7.83	25.2	2.3	561
SE 341		92	4	23	2100	910	0.071	5.7*	0.19	6.8	2.1	0.04	7.27	16.4	2.5	354
SE 342		92	4	24	100	1055	0.098	5.6*	0.18	5.7	1.9	0.034	7.23	12.2	2.2	280
SE 343		92	4	24	900	172	0.103	3.5*	0.18	6.4	1.02	0.038	7.24	12.1	2.7	294
SE 344		92	4	24	1300	326	0.057	3.7*	0.2	5.1	1.25	0.08	7.23	11.6	3.5	261
SE 345	G	92	4	24	1559	316	0.105	3.7*	0.14	4.7	1.15	0.05	7.1	8.6	2	214
SE 345		92	4	24	1559	298	0.059	3.8*	0.15	4.6	1.2	0.053	7.15	9.4	2.7	223
SE 346		92	4	24	1700	240	0.147	3.6*	0.19	4.7	1.5	0.143	7.14	10.8	5.1	217

@ samples too old for analysis

* samples old when recieved, results suspect.

+ sample exhausted

Nitrate and pH results suspect.

? anomalous data withdrawn

NA not available

Essex Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
SE 347	92 4 25	900	102	0.102	2.6	0.17	6.4	0.57	0.033	7.37	12.3	2.1	327
SE 348	92 4 25	1700	87.6	0.06	2.3	0.18	6.1	0.5	0.036	7.37	12.9	2.1	314
SE 349	92 4 27	900	30.5	0.044	1.6	0.2	9.1	0.195	0.02	7.66	24	1.9	533
SE 350 G	92 6 2	1102	8.6	0.061	0.89	0.1	6.4	0.016	0.001	8.48	56.5	1.6	766
SE 350	92 6 2	1102	9.4	0.057	1	0.09	6.1	0.29	0.001	8.47	54.4	1.3	770

@ samples too old for analysis

• samples old when recieved, results suspect.

+ sample exhausted

Nitrate and pH results suspect.

? anomalous data withdrawn

NA not available

KETTLE CREEK TEST

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 1	88 10 25	1500	27.1	0.053	0.99	0.03	18.8	0.065	0.011	7.92	38.52	3.59	723
MA 2	88 10 27	845	13.8	0.019	0.61	0.10	20.1	0.063	0.040	8.02	38.32	3.41	748
MA 3	88 11 5	1000	11.3	NA	NA	NA	NA	0.101	0.057	NA	39.20	4.30	750
MA 4	88 11 5	1500	186.9	NA	NA	NA	NA	0.540	0.084	NA	41.20	11.15	649
MA 5	88 11 5	1900	690.6	NA	NA	NA	NA	1.65	0.120	NA	36.67	26.82	407
MA 6	88 11 6	100	99.8	NA	NA	NA	NA	0.590	0.142	NA	29.13	12.45	474
MA 7	88 11 6	1100	34.9	NA	NA	NA	NA	0.194	0.055	NA	33.67	6.33	620
MA 8	88 11 6	2100	70.4	NA	NA	NA	NA	0.350	0.076	NA	28.97	8.55	471
MA 9	88 11 7	1100	20.1	NA	NA	NA	NA	0.155	0.057	NA	32.12	5.65	582
MA 10	88 11 8	500	31.6	NA	NA	NA	NA	0.143	0.036	NA	33.80	4.76	646
MA 11	88 11 9	2400	19.0	NA	NA	NA	NA	0.089	0.015	NA	34.48	3.87	683
MA 12	88 12 9	1040	12.6	0.046	0.57	0.06	13.9	0.086	0.076	7.88	34.99	2.92	730
MA 13	88 12 21	1200	12.6	0.272	1.62	0.06	5.3	0.202	0.116	7.81	30.71	5.27	538
MA 14	NA NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MA 15	89 1 11	915	31.4	0.018	0.84	0.05	12.3	0.132	0.060	7.81	29.5	3.10	702
MA 15	89 2 17	1225	4.0	0.118	1.04	0.05	5.5	0.108	0.084	7.69	28.6	3.5	660
MA 16	89 3 11	1005	26.7	0.454	2.30	0.09	1.9	0.24	0.064	7.57	14.4	6.8	282
MA 17	89 3 11	1300	28.6	0.443	2.22	0.08	1.8	0.23	0.126	7.61	14.5	6.3	287
MA 18	89 3 11	1755	94.3	0.296	2.22	0.08	1.9	0.34	0.038	7.60	13.6	7.5	248
MA 19	89 3 12	1200	22.3	0.272	2.01	0.05	2.2	0.18	0.038	7.72	16.2	5.6	324
MA 20	89 3 14	1220	8.9	0.163	1.25	0.04	3.1	0.10	0.035	7.81	22.4	3.9	452
MA 21	89 3 14	800	71.1	0.317	2.50	0.07	3.3	0.30	0.042	7.70	19.4	5.0	340
MA 22	89 3 15	1815	21.1	0.267	1.95	0.08	4.5	0.16	0.034	7.78	23.0	3.9	397
MA 23	89 4 2	1700	14.6	0.012	0.70	0.03	11.7	0.059	0.001	8.38	30.0	2.7	648
MA 24	89 4 2	2300	30.7	0.023	0.76	0.03	10.4	0.084	0.003	8.32	30.1	3.0	631
MA 25	89 4 3	200	85.6	0.050	1.33	0.04	9.4	0.22	0.020	8.24	30.1	4.1	593
MA 26	89 4 3	500	221	0.084	1.91	0.05	7.7	0.51	0.032	8.08	29.3	6.1	515
MA 27	89 4 3	800	274	0.079	2.19	0.06	7.0	0.58	0.035	8.11	28.4	6.7	472

@ samples too old for analysis
+ samples exhausted
x data withdrawn
$ results suspect
& results suspect - pebbles at bottom of bottle
! intake tube displaced, next two samples taken for recalibration purposes
NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 28	89 4 3	1115	710	0.108	3.68	0.06	6.1	1.37	0.036	7.83	24.4	13.0	410
MA 29	89 4 4	100	46.1	0.031	1.16	0.05	9.9	0.159	0.039	8.14	26.2	4.1	531
MA 30	89 4 4	700	253	0.051	2.05	0.06	8.1	0.57	0.039	7.99	26.0	7.4	480
MA 31	89 4 5	1600	<5.0	0.024	0.81	0.03	10.9	0.080	0.071	8.23	29.0	3.5	586
MA 32	89 4 5	2200	92.1	0.023	1.18	0.04	8.9	0.20	0.067	8.12	27.9	5.1	534
MA 33	89 4 6	700	17.4	0.021	0.82	0.03	10.2	0.081	0.046	8.28	29.1	3.5	573
MA 34	89 4 7	100	18.8	0.037	0.75	0.03	10.7	0.070	0.038	8.24	30.0	3.1	601
MA 35	89 4 8	1600	<5.0	0.068	0.66	0.02	10.6	0.049	0.032	8.26	30.9	3.0	630
MA BL	89 5 11	ND	ND	ND	ND	ND	ND	ND	<0.001	ND	ND	ND	ND
MA 36	89 5 11	1240	3.7	0.023	0.63	0.03	0.4	0.033	0.003	8.32	25.2	2.5	522
MA 36 G	89 5 11	1240	3.7	0.025	0.59	0.03	0.4	0.032	0.002	8.40	25.2	2.5	520
MA 41	89 5 11	1500	<5.0	0.013	0.71	0.02	0.3	0.042	0.003	8.46	23.6	2.6	478
MA 42	89 5 11	2100	<5.0	0.013	0.69	0.01	0.3	0.061	0.002	8.34	22.7	2.5	477
MA 43	89 5 12	1200	<5.0	0.011	0.77	0.02	0.7	0.044	<0.001	8.43	22.4	2.5	526
MA 44	89 5 12	1500	15.4	0.010	0.80	0.02	0.6	0.172	<0.001	8.41	20.3	2.5	503
MA 45	89 5 12	1700	12.6	0.013	0.79	0.02	0.6	0.072	<0.001	8.36	19.1	2.5	504
MA 46	89 5 12	2000	29.4	0.010	1.02	0.02	0.9	0.110	0.015	8.32	18.3	2.6	516
MA 47	89 5 13	500	9.9	0.008	0.67	0.03	1.3	0.041	<0.001	8.32	27.9	3.0	556
MA 48	89 5 14	1400	18.4	0.313	3.56	0.03	1.5	0.36	0.002	8.18	23.0	2.8	578
MA 49	89 5 15	1400	12.8	0.012	0.81	0.03	1.2	0.048	<0.001	8.43	22.3	2.5	522
MA 50	89 5 25	2200	14.8	0.008	0.93	0.05	1.2	0.047	0.015	8.31	54.3	3.1	621
MA 51	89 5 26	100	1213	0.019	6.64	0.12	3.3	1.97	0.013	7.90	34.2	16.6	430
MA 52	89 5 26	400	1202	0.14	4.87	0.20	7.0	1.73	0.065	7.66	35.7	20.9	424
MA 53	89 5 26	700	493	0.423	3.54	0.31	9.9	1.05	0.064	7.75	36.8	13.3	479
MA 54	89 5 26	825	173	0.729	3.35	0.31	11.1	0.510	0.082	7.42	37.2	8.8	508
MA 54 G	89 5 26	825	160	0.919	3.65	0.33	11.4	0.535	0.112	7.41	37.1	8.3	513
MA 55	89 5 26	1100	143	0.438	2.78	0.30	10.3	0.48	0.070	7.89	35.0	10.1	515
MA 56	89 5 26	1500	82.3	0.137	1.75	0.18	9.1	0.34	0.071	8.16	29.5	4.9	530

@ samples too old for analysis

\+ samples exhausted

x data withdrawn

$ results suspect

& results suspect - pebbles at bottom of bottle

! intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 57	89 5 26	2100	68.7	0.059	1.45	0.12	7.8	0.24	0.060	8.27	26.8	4.4	572
MA 58	89 5 27	600	33.6	0.031	1.14	0.09	7.0	0.125	0.027	8.27	27.5	3.6	621
MA 59	89 5 28	600	15.4	0.008	0.84	0.07	6.1	0.068	0.012	8.21	28.6	3.0	657
MA 60	89 6 3	1530	23.3	0.010	0.82	0.10	8.1	0.085	0.014	8.42	27.5	3.4	648
MA 61	89 6 3	1730	194	0.006	1.70	0.14	6.4	0.375	0.015	8.29	26.3	4.0	600
MA 62	89 6 3	1930	77.7	<0.001	1.45	0.10	5.9	0.240	0.020	8.28	24.2	3.8	579
MA 63	89 6 3	2130	139	0.028	2.05	0.15	10.6	0.405	0.051	8.18	27.0	5.4	562
MA 64	89 6 3	2330	83.8	<0.001	1.80	0.13	9.7	0.345	0.037	8.15	28.6	5.4	581
MA 65	89 6 4	530	27.6	0.015	1.12	0.12	9.2	0.127	0.048	8.28	37.2	4.3	650
MA 66	89 6 4	1530	36.6	<0.001	1.20	0.07	7.7	0.122	0.006	8.44	28.6	3.4	628
MA 67	89 6 5	1130	20.8	0.059	2.80	0.15	7.0	0.250	0.014	8.07	28.8	2.9	692
MA 68	89 6 19	1728	<5.0	<0.1	1.08	0.07	4.1	0.05	0.05	8.22	36.9	2.9	618
MA 69	89 6 19	1850	8.5	<0.1	0.95	0.08	4.5	0.09	0.05	8.13	38.0	3.1	592
MA 70	89 6 19	1930	9.8	<0.1	0.91	0.02	4.2	0.09	0.06	8.09	36.0	3.0	583
MA 71	89 6 19	2030	35.0	<0.1	1.08	0.11	3.3	0.11	0.04	8.04	33.6	4.2	533
MA 72	89 6 19	2130	69.9	<0.1	1.28	0.14	10.7	0.18	0.03	7.99	51.6	5.1	611
MA 73	89 6 19	2330	225	<0.1	1.68	0.04	20.2	0.62	0.02	7.78	32.2	6.6	527
MA 74	89 6 20	130	109	<0.1	1.56	0.19	26.5	0.38	0.02	7.81	36.5	7.3	632
MA 75	89 6 20	530	43.1	<0.1	1.45	0.17	210	0.17	0.03	8.01	45.9	6.9	701
MA 76	89 6 20	1230	21.5	<0.1	1.35	0.14	19.6	0.09	0.01	8.14	39.7	6.8	752
MA 77	89 6 21	30	11.3	<0.1	0.89	0.10	15.5	0.05	<0.01	8.08	36.3	4.3	755
MA 78	89 6 21	2330	10.5	<0.1	0.82	0.10	11.6	0.04	<0.01	8.09	34.5	3.5	755
MA 79	89 6 22	230	746	<0.1	3.18	0.08	28.5	1.39	<0.01	7.79	32.2	5.6	649
MA 80	89 6 22	530	512	<0.1	3.40	0.10	26.5	1.30	<0.01	7.77	28.2	5.9	597
MA 81	89 6 22	1130	36.6	<0.1	1.33	0.11	22.8	0.17	<0.01	7.94	37.3	5.4	730
MA 82	89 6 23	1230	22.6	<0.1	0.94	0.06	11.4	0.08	0.04	8.12	35.1	3.8	684
MA 83	89 6 24	2300	32.3	<0.1	0.93	0.09	13.2	0.13	<0.01	8.15	33.5	3.9	736
MA 84	89 6 26	500	7.5	<0.1	0.92	0.12	9.2	0.08	<0.01	8.00	33.3	3.2	741

@ samples too old for analysis

\+ samples exhausted

x data withdrawn

$ results suspect

& results suspect - pebbles at bottom of bottle

! intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 82 G	89 7 25	1535	1643	0.2	7.45	0.04	3.1	3.02	<0.01	7.59	9.3	5.8	211
MA 83 G	89 7 25	1648	1728	0.1	6.68	0.06	3.1	3.08	<0.01	7.49	11.7	5.3	232
MA 84 G	89 7 25	1745	785	0.2	4.70	0.07	10.5	2.05	0.02	7.66	10.3	8.4	312
MA 85 G	89 7 25	1850	752	0.2	4.28	0.09	11.6	1.91	0.03	7.61	10.0	7.6	331
MA 86 G	89 7 26	745	123	0.1	1.71	0.20	11.7	0.26	0.02	7.50	20.6	6.7	574
MA 87 G	89 7 26	1455	24.3	0.1	1.60	0.17	11.3	0.33	0.12	7.55	22.2	6.9	624
MA 88 G	89 7 27	900	13.0	0.1	1.16	0.22	7.7	0.12	0.07	7.46	26.4	6.1	698
MA 89	89 7 28	805	9.3	0.1	1.14	0.18	5.6	0.09	0.03	7.69	26.5	5.4	741
MA 89 G	89 7 28	805	11.1	0.1	1.24	0.18	5.4	0.08	0.11	7.55	28.7	5.4	753
MA 90 G	89 11 15	910	52.8	0.5	1.11	0.41	3.8	0.33	0.1	7.81	107	41	540
MA 91	89 11 15	1735	32.7	<0.1	1.13	0.04	12	0.28	0.19	7.75	36.7	6.7	585
MA 92	89 11 15	2035	501	<0.1	3.17	0.02	7.5	1.43	0.15	7.54	28	6.6	414
MA 93	89 11 16	105	202	<0.1	2.57	0.03	8.2	1.11	0.17	7.57	22.8	6.6	398
MA 94	89 11 16	235	142	0.1	2.85	0.04	9.7	0.99	0.2	7.54	22.9	7.8	394
MA 95	89 11 16	705	105	0.1	2.43	0.05	10.4	0.71	0.1	7.58	21.6	6.7	387
MA 96	89 11 16	1000	82.3	0.1	1.75	0.05	12.4	0.56	0.1	7.68	25	6.5	432
MA 96 G	89 11 16	1000	75.5	0.1	1.95	0.06	12.2	0.53	0.12	7.61	24.2	6.3	434
MA 97	89 11 16	1600	60.2	0.1	1.54	0.05	16.2	0.34	0.18	7.64	33.3	6	542
MA 98	89 11 17	1700	20.5	0.1	0.91	0.03	16.4	0.15	0.09	8.05	41.2	5.1	673
MA 99	89 11 18	1700	15	0.1	0.8	0.03	14.5	0.12	0.06	8.08	41.2	5.2	699
MA 100	89 11 27	1900	27	<0.1	0.78	0.04	10.3	0.13	0.05	8.12	40.4	4.6	676
MA 101	89 11 27	2300	38.6	<0.1	0.75	0.03	9.9	0.16	0.04	8.06	38.9	4.7	668
MA 102	89 11 28	100	742	<0.1	4.15	0.02	7.5	1.37	0.04	7.76	32.7	5.5	521
MA 103	89 11 28	300	965	<0.1	4.74	0.03	5.9	1.85	0.03	7.69	25.2	4.5	401
MA 104	89 11 28	500	573	<0.1	4.02	0.03	7.1	1.57	0.03	7.66	25	4.6	422
MA 105	89 11 28	900	149	<0.1	1.08	0.04	9.7	0.69	0.11	7.78	31.2	4.5	485
MA 106	89 11 28	1500	54.9	<0.1	1.23	0.04	12.1	0.32	0.05	7.84	34.6	4.6	559

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I intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #		Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 107		89 11 29	100	37.4	<0.1	0.95	0.03	14	0.19	0.04	7.97	39.5	4.4	642
MA 108		89 11 29	1100	18.4	<0.1	0.79	0.03	14	0.12	0.03	8.04	53.9	4.4	669
MA 109	G	89 12 11	1700	<5.0	<0.1	0.49	0.03	9.4	0.07	0.07	8.04	37.7	4	723
MA 110	G	89 12 13	1030	<5.0	<0.1	0.53	0.03	9	0.07	0.06	7.99	39.7	4	782
MA 111	G	90 1 9	800	6.1	<0.1	0.79	0.05	11.1	0.13	0.05	7.5	30.4	3.8	535
MA 112		90 1 16	1400	216	<0.1	1.41	0.02	14.2	0.41	0.05	7.77	32.9	2.9	630
MA 113		90 1 17	200	263	<0.1	1.91	0.01	13.6	0.56	0.03	7.72	33	3	615
MA 114		90 1 17	600	343	<0.1	2.05	0.02	10.8	0.58	0.03	7.64	27.2	3.1	527
MA 115		90 1 17	1000	681	<0.1	2.79	0.01	6.2	0.98	0.02	7.54	30.9	2.3	483
MA 116		90 1 17	1400	688	<0.1	3.02	<0.01	5.8	1.05	0.02	7.52	26.9	2.9	452
MA 117		90 1 17	1800	254	<0.1	1.86	0.01	6.8	0.56	0.04	7.5	13.1	3.5	284
MA 118		90 1 17	2200	370	<0.1	2.51	0.03	7.7	0.76	0.04	7.52	15	3.7	291
MA 119		90 1 18	200	661	0.1	3.66	0.04	7.6	1.14	0.05	7.48	12.5	3.8	270
MA 120		90 1 18	1000	457	<0.1	2.56	0.03	9.9	0.8	0.06	7.53	16.6	3.9	332
MA 121		90 1 18	1800	471	<0.1	2.37	0.03	9.5	0.77	0.04	7.83	23.4	3.4	404
MA 122		90 1 19	200	342	<0.1	1.67	0.03	8.7	0.44	0.03	7.66	28.5	2.6	465
MA 123		90 1 19	1000	146	<0.1	1.28	0.02	9.1	0.3	0.09	7.66	30.2	2.5	484
MA 124		90 1 19	1800	93.8	0.1	1.03	0.03	9.5	0.24	0.05	7.67	31.4	3	493
MA 125		90 1 20	200	105	<0.1	1.13	0.04	11.4	0.29	0.05	7.71	31.1	3.4	519
MA 126		90 1 20	1800	266	<0.1	1.53	0.03	15.6	0.44	0.04	7.84	32.3	3	574
MA 127		90 1 21	1400	142	<0.1	1.18	0.03	16.9	0.28	0.03	7.9	32.3	3.1	597
MA 128		90 1 22	1000	147	<0.1	1.14	0.03	15.9	0.27	0.02	7.88	36.6	3	622
MA 129	G	90 2 20	1440	52.1	0.1	0.87	<0.01	12.7	0.14	0.07	7.91	27.4	NA	614
MA 130		90 3 16	1100	468	0.1	2.74	0.05	9.5	0.89	0.1	7.79	31.8	2.9	540
MA 130	G	90 3 16	1100	94	0.1	1.14	0.04	11.1	0.4	0.08	7.83	26.8	3	529
MA 131		90 3 16	1400	965	0.3	5.39	0.03	6	2	0.08	7.6	32.9	3.3	480
MA 132		90 3 17	1100	186	<0.1	1.66	0.04	9.7	0.46	0.06	7.87	33.8	2.7	553
MA 133		90 3 19	900	263	<0.1	1.47	0.03	11.8	0.45	0.06	7.92	27	2.5	560

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NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 134	90 3 22	1630	243	<0.1	1.33	0.04	11.9	0.41	0.03	8.16	26.3	2.8	552
MA 135 &	90 3 22	2230	924	<0.1	4.63	0.04	7.1	1.61	0.03	7.79	33.8	2.9	500
MA 136 &	90 3 23	130	798	<0.1	4.38	0.05	5.6	1.6	0.07	7.7	35.4	3.8	473
MA 137	90 3 23	730	261	<0.1	1.31	0.03	8.3	0.48	0.03	7.85	33.5	2.9	514
MA 138 &	90 3 23	1330	374	<0.1	2.06	0.03	9.6	0.48	0.03	7.97	31	2.5	530
MA 139 $	90 4 2	200	152	@	1.29	@	@	0.26	0.07	@	26.3	2.6	578
MA 140 $	90 4 2	500	189	@	1.21	@	@	0.29	0.07	@	27.1	2.5	582
MA 141 $	90 4 2	800	181	@	1.18	@	@	0.28	0.07	@	27	2.4	580
MA 142 $	90 4 2	1100	806	@	4	@	@	1.24	0.08	@	33.9	2.7	504
MA 143 $	90 4 2	1400	1027	@	4.35	@	@	1.51	0.08	@	35.1	2.8	479
MA 144 $	90 4 2	1700	465	@	2.79	@	@	0.75	0.08	@	33.6	2.7	490
MA 145 $	90 4 2	2000	278	@	2.08	@	@	0.49	0.07	@	31.2	2.5	513
MA 146 $	90 4 3	200	176	@	1.41	@	@	0.29	0.07	@	33.7	2.5	536
MA 147 G	90 4 6	1745	7.5	<0.1	0.69	0.02	10.8	0.05	0.02	8.23	26.7	2.5	556
MA 148	90 4 10	1745	x	0.1	27.2	0.33	3	10.1	0.03	7.44	35.8	2.5	492
MA 149	90 4 10	1945	x	0.6	42.4	0.14	4.7	15.9	0.03	7.39	33	4.1	470
MA 150	90 4 10	2145	x	0.6	4.75	0.12	5.7	1.23	0.04	7.53	44.3	3	541
MA 151	90 4 10	2345	x	0.9	4.37	0.13	6.2	0.86	0.05	7.45	45.2	2.3	562
MA 152	90 4 11	145	x	1.9	6.11	0.13	7.4	1.1	0.09	7.28	37	3.9	544
MA 153	90 4 11	345	x	4.8	11.2	0.09	9.6	1.49	0.27	7.27	31.1	6.3	547
MA 154	90 4 11	545	x	2.5	6.31	0.13	7.8	0.84	0.09	7.31	40.8	4.2	571
MA 155	90 4 11	1145	334	2.5	6.16	0.09	10.6	0.78	0.05	7.41	29.7	4.6	561
MA 156	90 4 11	2145	219	<0.1	1.72	0.02	<0.1	0.34	0.01	7.78	28.7	2.8	569
MA 157	90 4 12	745	72	<0.1	1.02	0.06	11.6	0.14	0.01	7.88	28.4	2.5	586
MA 158	90 4 12	945	81.1	<0.1	1.01	0.07	11.9	0.17	0.02	7.89	24.9	2.5	573
MA 158 G	90 4 12	945	10.9	<0.1	0.81	0.07	12	0.06	0.02	7.98	23.9	2.6	574
MA 159	90 4 19	1800	211	0.2	1.72	0.07	9.9	0.34	0.03	7.87	28.5	2.6	513
MA 160	90 4 20	1500	219	0.1	1.46	0.03	9.4	0.32	0.02	8.01	26.9	2.4	549

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Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 161	90 4 20	2100	371	0.1	2.41	0.04	6.6	0.6	0.01	7.64	22	3	457
MA 162	90 4 20	2400	565	0.2	2.89	0.07	5.5	0.84	0.01	7.49	32.2	3.1	476
MA 163	90 4 21	300	392	0.4	2.58	0.07	6.7	0.71	<0.01	7.5	28.6	3.2	464
MA 164	90 4 21	600	246	0.1	1.7	0.05	8.2	0.42	<0.01	7.59	28.8	2.9	494
MA 165	90 4 21	900	191	0.2	1.47	0.03	9.1	0.32	<0.01	7.77	29.9	2.7	515
MA 165 G	90 4 21	900	35.4	0.2	1.05	0.03	10	0.14	0.03	7.69	22.2	3	485
MA 166	90 4 21	1800	119	0.2	1.23	0.02	9.9	0.22	<0.01	7.86	31.8	2.6	539
MA 167	90 4 22	1500	185	0.1	1.47	0.02	10.7	0.29	<0.01	8.04	26.5	2.6	521
MA 168 G	90 5 3	925	2.4	<0.1	0.75	0.12	4.5	0.03	<0.01	8	24.3	5.1	558
MA 169	90 5 4	1200	259	<0.1	1.61	0.04	4	0.38	<0.01	8.19	25.9	2.3	571
MA 170	90 5 4	1800	211	<0.1	1.56	0.04	3.4	0.36	0.03	8.12	21.1	2.2	522
MA 171	90 5 4	2400	228	<0.1	2.02	0.07	4.6	0.42	<0.01	8.13	22	2.3	540
MA 172	90 5 5	1500	242	<0.1	1.61	0.04	3.3	0.38	0.11	8.23	21.5	2.6	534
MA 173	90 5 6	600	200	<0.1	1.54	0.04	2.7	0.3	0.04	8.1	36.1	2.5	593
MA 174 G	90 5 9	1525	6.3	<0.1	0.086	0.1	1.7	0.01	<0.01	8.22	23.7	2.1	518
MA 175 !	90 5 10	1330	400	<0.1	1.97	0.07	1.2	0.48	0.04	8.02	22.3	2	526
MA 176	90 5 10	1500	31.7	<0.1	0.93	0.08	1.2	0.08	<0.01	8.2	21.6	1.9	521
MA 176 G	90 5 10	1500	13.5	<0.1	0.91	0.09	1.3	0.04	<0.01	8.2	22.6	2	512
MA 177	90 5 12	2400	3.7	<0.1	0.82	0.05	1.2	0.05	0.01	8.06	22.3	2.1	544
MA 178	90 5 13	600	45.2	<0.1	1.08	0.03	0.14	0.14	<0.01	7.92	18.5	2.2	485
MA 179	90 5 13	900	82.8	<0.1	1.51	0.07	0.22	0.22	<0.01	7.93	18.3	2.4	483
MA 180	90 5 13	1200	256	0.6	7.77	0.11	0.63	0.63	0.01	7.66	52.8	4.2	513
MA 181	90 5 13	1500	112	0.6	7.54	0.12	0.43	0.43	0.05	7.72	28.9	5.1	466
MA 182	90 5 13	1800	70.6	0.5	7.88	0.12	0.31	0.31	0.02	7.77	26.1	4.9	490
MA 183	90 5 13	2400	38.7	0.4	6.13	0.12	0.2	0.2	0.06	7.82	27.9	3.7	552
MA 184	90 5 14	1330	16.2	0.1	2.84	0.1	0.06	0.06	0.01	8.1	28.9	2.9	597
MA 184 G	90 5 14	1330	9.5	0.1	2.54	0.09	13.6	0.06	<0.01	8.19	29.2	3	599
MA 185	90 5 15	1800	10.1	0.004	1.08	0.17	11.5	0.042	<0.001	8.08	27.8	2.6	596

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Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 186	90 5 16	900	40.7	<0.001	1.5	0.1	8.4	0.11	0.044	7.89	22	2.6	539
MA 187	90 5 16	1200	573	0.557	5.3	0.28	13.1	1.05	0.047	7.56	21.2	4.4	414
MA 188	90 5 16	1500	292	0.74	4.8	0.34	14	0.72	0.067	7.42	17.6	4.9	398
MA 188 G	90 5 16	1500	272	0.828	4.7	0.35	13.7	0.72	0.079	7.55	16.8	4.9	399
MA 189	90 5 16	1800	151	0.471	3.2	0.25	15.1	0.395	0.038	7.54	19.8	4.5	448
MA 190	90 5 16	2100	105	0.402	3.3	0.21	17.1	0.28	0.042	7.66	23.2	4.2	502
MA 191	90 5 16	2400	77	0.263	2.85	0.17	17.2	0.22	0.022	7.81	24.7	3.8	538
MA 192	90 5 17	600	53.3	0.201	1.52	0.12	17	0.156	x	7.84	27	3.4	577
MA 193	90 5 17	900	1381	0.702	8	0.33	11.3	2.65	0.31	7.56	16.4	4.5	381
MA 194	90 5 17	1200	378	0.45	3.4	0.2	12.4	0.93	0.05	7.64	17.1	4.3	415
MA 195	90 5 17	1500	154	0.294	2.3	0.16	14.6	0.44	0.04	7.62	22.5	4.1	465
MA 195 G	90 5 17	1500	286	0.479	3.3	0.34	13.5	0.79	0.107	7.63	18.7	4.6	416
MA 196	90 5 17	1800	146	0.123	2.1	0.12	14.8	0.38	0.023	7.72	22.4	3.8	497
MA 197	90 5 18	300	65.7	0.216	1.34	0.12	14.5	0.258	0.193	7.64	31.9	4.4	555
MA 198	90 5 18	1200	21.7	0.095	1.7	0.1	14.4	0.165	0.055	7.79	32.8	4.1	577
MA 199	90 5 19	2100	20.4	<0.001	0.9	0.05	15.2	0.096	0.02	8.15	28.2	3	634
MA 200	90 5 20	1200	20.8	<0.001	1	0.05	12.9	0.076	0.017	8.14	28.4	3.3	618
MA 201	90 5 20	1800	340	0.15	2.8	0.13	11.1	0.67	0.022	7.74	19.8	3.7	440
MA 202	90 5 20	2400	56	0.095	1.85	0.11	15.3	0.19	0.019	7.82	24.7	3.4	543
MA 203	90 5 21	1200	23.3	<0.001	1.14	0.05	15.8	0.074	0.005	8.04	27.6	2.8	612
MA 204	90 6 6	930	3.8	0.012	0.64	0.08	14.9	0.034	0.001	8.23	32.5	2.7	666
MA 204 G	90 6 6	930	5.9	0.017	0.75	0.08	14.6	0.024	<0.001	8.28	32.5	2.8	646
MA 205	90 6 8	1000	373	0.006	2.5	0.07	7.1	0.71	0.006	8.26	18.1	2.5	427
MA 206	90 6 8	1015	445	<0.001	3	0.12	7.3	0.88	0.005	8.02	20.4	2.7	453
MA 206 G	90 6 8	1015	343	0.012	2.7	0.08	8.5	0.69	0.006	8.11	22.4	2.6	466
MA 207	90 6 8	1300	1450	<0.001	6.1	0.16	19.3	2.95	0.142	8	22.2	3.6	464
MA 208	90 6 8	1600	348	0.046	3.2	0.25	36.2	0.885	0.088	8.15	26.5	4.5	637
MA 209	90 6 8	2200	64.1	0.033	1.64	0.1	21.9	0.192	0.087	8.44	30.2	3.8	725

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Kettle Creek Test Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 210		90	6	10	100	16.9	<0.001	1.16	0.15	28.4	0.062	0.013	8.56	31.6	2.8	695
MA 211		90	6	11	700	31.2	0.001	0.92	0.07	17.6	0.042	0.005	8.41	31.8	2.6	690
MA 212		NO FLOW														
MA 213		90	6	23	1100	24	<0.001	1.55	0.04	0.7	0.1	0.003	7.84	24.8	2.2	490
MA 214		90	6	23	1700	389	<0.001	3.7	0.16	15.6	0.84	0.04	7.74	26.5	4.8	534
MA 215		90	6	23	2000	3125	0.146	14	0.3	30.8	5.85	0.105	7.62	18	5.7	501
MA 216		90	6	23	2300	1336	0.424	9.2	0.34	31.6	2.95	0.103	7.65	21.5	5.9	538
MA 217		90	6	24	500	202	0.114	3	0.3	38	0.55	0.096	8	28	5	689
MA 218		90	6	25	1400	15	<0.005	1.12	0.18	24.5	0.064	0.03	8.38	32.3	3.5	739
MA 219	G	90	7	10	1145	47.4	0.046	1.04	0.05	15.7	0.125	0.048	7.95	27.1	4	734
MA 220	G	90	7	12	830	24.3	0.028	0.73	0.06	14.1	0.092	0.042	8.02	29.9	3.7	760
MA 221		90	7	27	1030	18.8	0.015	0.82	0.08	4.5	0.048	0.016	7.9	34.2	3.3	658
MA 222		90	7	30	1500	223	1.46	3.4	0.37	1.3	0.27+	0.08	7.47	39.7	3.9	675
MA 223		90	7	30	1800	726	0.006	4	0.15	3.5	1.55+	0.26	7.3	31.1	5.6	520
MA 224		90	7	30	1900	1917	0.796	9.2	0.12	4	5.9+	1.56	7.43	18.2	12.4	341
MA 224	G	90	7	30	1900	1604	0.4	8.8	0.14	3	6.3+	2.84	7.45	17.3	16.2	314
MA 225		90	7	30	2100	1201	0.742	7	0.15	3.2	4.35+	1.79	7.4	19.7	12.5	344
MA 226		90	7	30	2400	288	0.484	3.8	0.19	5.1	2.3+	1.49	7.48	25.8	11.8	454
MA 227		90	7	31	600	59.4	0.103	1.8	0.19	8.1	0.79	0.55	7.79	31.7	8.2	615
MA 228		90	7	31	800	15.7	0.009	1.12	0.14	9.2	0.358	0.32	8.16	29.6	6.4	696
MA 229	G	90	8	7	1730	88.1	0.01	1.6	0.06	2.4	0.22	0.004	7.74	37.7	4.8	689
MA 230		90	8	16	1030	4.4	0.036	0.84	0.06	2.5	0.076	0.027	7.87	39	6.2	720
MA 231		90	8	27	2100	26	0.053	0.82	0.13	1.6	0.06	0.007	8.24	50.6	4.1	709
MA 232	G	90	8	28	1930	619	<0.001	3.7	0.05	1.8	1.69	0.108	7.24	3	4.4	147
MA 233	G	90	8	28	2030	606	0.015	3.3	0.06	2.8	1.52	0.142	7.43	3.3	4.7	179
MA 234	G	90	8	29	700	187	0.458	2.25	0.23	5.3	1.15	0.41	7.38	8.7	5.8	319
MA 235	G	90	8	29	800	251	0.447	2.35	0.22	5.1	1.3	0.31	7.6	8.7	5.9	313
MA 235		90	8	29	800	1456	0.145	7.6	0.14	2.5	3.4	0.055	7.38	6	4.3	258

@ samples too old for analysis

\+ samples exhausted

x data withdrawn

$ results suspect

& results suspect - pebbles at bottom of bottle

I intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 236	90 8 29	1100	423	0.544	2.65	0.22	4.7	1.6	0.29	7.52	8.8	6.3	314
MA 237	90 8 29	1700	168	0.773	2.1	0.33	5.3	1.15	0.32	7.57	11.2	7.4	361
MA 238	90 8 29	2300	125	0.435	2.75	0.57	6.6	0.865	0.51	7.62	15.5	8.7	459
MA 239	90 8 30	2100	39.9	0.208	1.26	0.13	12	0.214	0.119	8.13	25.6	4.9	697
MA 240	90 8 31	200	30.8	0.042	0.94	0.12	11.7	0.126	0.056	8.36	27.5	4.2	742
MA 241 G	90 8 31	200	29.8	0.072	0.94	0.13	11.8	0.138	0.067	8.2	28.3	4.2	750
MA 241	90 9 14	1100	105	0.004	0.88	0.14	1.1	0.096	0.017	8.12	29.8	3.9	743
MA 242	90 9 14	1400	88.2	0.011	0.82	0.12	8	0.054	0.045	8.11	28.8	3.5	732
MA 243	90 9 14	1600	1613	0.015	7.75	0.04	1.2	2.75	0.005	7.25	5.9	3.5	169
MA 243 G	90 9 15	1600	1159	0.004	6	0.02	1.6	2.08	0.004	7.26	9.1	3.7	204
MA 244	90 9 14	1800	1210	0.02	5.75	0.06	1.6	2.45	0.193	7.21	5.3	6.1	188
MA 245	90 9 14	2000	474	0.024	3.3	0.05	2.7	1.38	0.21	7.13	6.7	7	224
MA 246	90 9 14	2200	159	0.266	2.8	0.11	4.3	1.08	0.324	7.2	9.6	7.9	296
MA 247	90 9 14	2400	203	0.439	2.8	0.2	6.2	0.93	0.436	7.38	13	8.1	387
MA 248	90 9 15	200	167	0.466	2.7	0.14	7.1	0.865	0.309	7.44	13.7	6.6	414
MA 249	90 9 15	1200	61.7	0.016	1.6	0.04	9.7	0.255	0.071	7.88	22.5	4.4	604
MA 250	90 9 16	1000	120	0.002	1.6	0.03	10	0.24	0.04	7.96	27.4	3.6	648
MA 251	90 9 17	1100	38	0.022	0.96	0.06	11.8	0.124	0.018	7.9	9.1	3.4	744
MA 252	90 9 25	1415	79.3	<0.001	0.58	0.04	12.2	0.049	0.008	8.25	28.4	3.2	753
MA 253	90 10 7	1800	105	0.038	0.57	0.06	11.4	0.064	<0.001	8.16	29.1	3.1	751
MA 254	90 10 9	545	1090	0.012	6.4	0.11	2.8	2.45	0.053	7.33	13.6	7.2	326
MA 255	90 10 9	845	677	0.011	4.2	0.02	3.7	1.61	0.131	7.18	12.4	8	291
MA 256	90 10 9	1145	229	0.034	2.65	0.04	6	7.55	0.139	7.38	16.9	8.4	386
MA 257	90 10 9	1745	102	0.031	2	0.03	8.5	0.395	0.067	7.62	22.2	6	530
MA 257 G	90 10 9	1745	130	0.024	2.1	0.03	8.5	0.4	0.086	7.55	22.3	5.8	526
MA 258	90 10 9	2045	147	0.014	2.35	0.03	7.5	0.49	0.105	7.49	21.7	6.4	482
MA 259	90 10 10	1445	50	0.044	1.28	0.05	10.5	0.197	0.056	7.95	25.6	4.9	644
MA 260	90 10 10	2345	115	0.053	1.7	0.04	8.6	0.32	0.062	7.71	24.4	5.5	572

@ samples too old for analysis

+ samples exhausted

x data withdrawn

$ results suspect

& results suspect - pebbles at bottom of bottle

! intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 261	90 10 11	245	508	0.059	3.35	0.03	4.5	1.18	0.115	7.38	14.3	7.4	351
MA 262	90 10 11	545	223	0.041	2.46	0.03	5	0.88	0.136	7.42	14.1	7.9	365
MA 263	90 10 11	1145	88	0.04	1.66	0.08	9.1	0.35	0.11	7.65	21	6.5	548
MA 264	90 10 12	1145	26.4	0.046	0.88	0.04	12.4	0.102	0.01	7.97	26	3.7	725
MA 265	90 10 12	1445	361	0.044	2.44	0.03	6.7	0.71	0.046	7.62	17.9	4.3	465
MA 265 G	90 10 12	1445	390	0.058	NA	0.03	6.5	0.74	0.065	7.57	17.8	4.5	453
MA 266	90 10 12	1745	316	0.036	2.46	0.03	3.9	0.79	0.107	7.53	12.3	12.3	314
MA 267	90 10 12	2045	149	0.04	1.98	0.04	5.5	0.5	0.129	7.57	15.8	15.8	395
MA 268	90 10 13	545	73.9	0.044	1.22	0.05	9.8	0.225	0.125	7.89	23.4	23.4	602
MA 269	90 10 15	845	28.6	0.053	0.74	0.04	12.3	0.088	0.007	8.04	26.7	26.7	745
MA 270	90 10 18	730	958	NA	5.8	0.09	2.5	1.95	0.066	7.1	16.7	9.2	381
MA 271	90 10 18	830	875	NA	5.6	0.02	2.4	2.05	0.144	7.03	11.7	10	281
MA 272	90 10 18	1100	443	NA	3.7	0.03	2.8	1.34	0.139	7.12	9.9	9.4	283
MA 273	90 10 18	1400	256	NA	3.15	0.03	4.6	0.91	0.126	7.21	14.5	9.7	387
MA 274	90 10 18	1700	201	NA	2.85	0.05	6	0.715	0.248	7.27	17.9	10.1	461
MA 274 G	90 10 18	1700	171	NA	2.85	0.03	6.1	0.71	0.136	7.25	18	10	462
MA 275	90 10 18	2300	118	NA	2.15	0.04	8.9	0.6	0.119	7.52	20.2	8.1	571
MA 276	90 10 19	800	95.6	NA	1.24	0.03	10.9	0.23	0.048	7.86	22.8	4.4	656
MA 277	90 10 19	2300	98.6	0.003	1.02	0.04	10.9	0.126	0.031	8.04	23.2	4.5	708
MA 278	90 10 20	2300	122	0.013	0.98	0.04	12.6	0.13	0.004	8.05	24.9	3.3	739
MA 279	90 10 27	1300	81.1	<0.001	0.61	0.02	11.7	0.029	0.007	8.14	25.7	2.9	753
MA 280	90 11 4	2100	105	0.004	0.68	0.06	8.6	0.074	<0.001	8.04	25.2	2.8	747
MA 281	90 11 5	600	106	0.005	1.14	0.05	7.6	0.158	<0.001	7.91	25.8	4.3	702
MA 282	90 11 5	1200	665	0.007	5	0.04	3.6	1.38	0.025	7.23	22.2	9	417
MA 282 G	90 11 5	1200	696	0.007	5.1	0.03	3.6	1.43	0.031	7.12	21.5	9.2	414
MA 283	90 11 5	1800	422	0.006	3.8	0.03	3.1	1.21	0.112	7.2	13.3	9.3	307
MA 284	90 11 5	2100	509	0.005	3.9	0.03	2.2	1.36	0.091	7.16	9	8.2	232
MA 285	90 11 5	2400	485	0.005	3.6	0.03	2.4	1.39	0.109	7.18	8.4	7.6	227

@ samples too old for analysis

\+ samples exhausted

x data withdrawn

$ results suspect

& results suspect - pebbles at bottom of bottle

! intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 286		90	11	6	300	404	0.006	3.4	0.04	3.9	1.3	0.14	7.3	12.1	7.7	315
MA 287		90	11	6	900	194	0.005	2.8	0.05	5.1	0.75	0.118	7.32	17.5	8.4	409
MA 288		90	11	6	1800	139	0.013	2.05	0.03	7.1	0.565	0.121	7.48	22.7	8.4	490
MA 289		90	11	6	1000	105	0.011	0.54	0.01	10.4	0.05	<0.001	8.03	26.2	2.8	746
MA 290		FLOW IN CONTROL WATERSHED ONLY, THEREFORE NO SAMPLES COLLECTED														
MA 291		FLOW IN CONTROL WATERSHED ONLY, THEREFORE NO SAMPLES COLLECTED														
MA 292		FLOW IN CONTROL WATERSHED ONLY, THEREFORE NO SAMPLES COLLECTED														
MA 293		FLOW IN CONTROL WATERSHED ONLY, THEREFORE NO SAMPLES COLLECTED														
MA 294		FLOW IN CONTROL WATERSHED ONLY, THEREFORE NO SAMPLES COLLECTED														
MA 295		FLOW IN CONTROL WATERSHED ONLY, THEREFORE NO SAMPLES COLLECTED														
MA 296	G	90	12	27	1045	81.6	0.003	0.57	0.02	11.1	0.084	<0.001	8.22	25.6	2.5	726
MA 297	G	91	1	11	1430	55.7	0.014	0.54	0.02	9.6	0.063	<0.001	8.03	23.7	2.2	713
MA 298	G	91	2	26	945	35.8	<0.001	0.54	0.01	6.9	0.082	0.019	7.96	22	2.7	623
MA 299		91	3	1	1800	403	0.003	2.2	0.02	1.8	0.725	0.032	7.79	9.8	2.9	252
MA 300		91	3	2	300	1736	0.003	6.2	0.02	1.5	2.7	0.028	7.72	9.4	2.9	233
MA 301		91	3	2	600	963	0.004	4.3	0.02	1.7	1.75	0.056	7.75	8	3.5	215
MA 302		91	3	2	900	539	0.01	2.8	0.02	2.2	0.95	0.07	7.74	10	3.6	250
MA 303		91	3	2	1500	309	0.033	2.15	0.02	2.5	0.615	0.07	7.73	11.6	3.7	283
MA 304		91	3	3	300	189	0.003	1.66	0.02	4.1	0.43	0.057	7.73	16.8	3.8	371
MA 305		91	3	4	1200	31.1	0.001	0.61	0.01	7.4	0.081	0.026	8.09	21.2	2.5	575
MA 305	G	91	3	4	1200	40	0.014	0.56	0.01	7.3	0.077	0.031	8.12	21.9	2.5	578
MA 306		91	3	6	1120	1879	0.004	9.2	0.04	1.5	3.9	0.054	7.59	7.4	2.7	208
MA 307		91	3	6	1320	1609	0.005	7.1	0.05	1.4	3.1	0.031	7.6	5.7	2.9	185
MA 308		91	3	6	1720	730	0.006	4	0.04	2.3	1.57	0.069	7.59	8	3.3	239
MA 309		91	3	6	2120	733	0.003	3.9	0.04	2.1	1.45	0.053	7.59	7.2	3.2	225
MA 310		91	3	7	120	437	0.021	2.9	0.04	3.2	1	0.097	7.6	10.4	3.9	288
MA 311		91	3	7	1320	197	0.062	1.64	0.04	5.2	0.63	0.13	7.74	15.1	4	419
MA 311	G	91	3	7	1320	143	0.063	1.8	0.04	5.2	0.59	0.161	7.73	15.1	4	422

@ samples too old for analysis
+ samples exhausted
x data withdrawn
$ results suspect
& results suspect - pebbles at bottom of bottle
! intake tube displaced, next two samples taken for recalibration purposes
NA not available

Kettle Creek Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 312						SPECIAL NON DUPLICATED SAMPLES COLLECTED IN CONTROL OUTLET										
MA 313						SPECIAL NON DUPLICATED SAMPLES COLLECTED IN CONTROL OUTLET										
MA 314	G	91	3	13	1630	4.9	0.002	0.43	0.04	7.5	0.043	0.021	8.15	21.6	2.2	615
MA 315	G	91	4	3	930	45.2		0.48			0.033		7.98	21.5	2.2	665
MA 316		91	4	19	1500	17.1	<0.1	0.61	0.11	6.7	0.06	<0.01	8.23	20.3	2.4	583
MA 317		91	4	19	2100	311	0.2	2.58	0.11	3.9	0.68	0.08	7.87	15.9	2.8	459
MA 318		91	4	20	300	152	0.3	1.77	0.1	3.8	1.44	0.12	7.92	17.2	3.3	473
MA 319		91	4	20	900	718	0.2	3.8	0.11	3.7	1.65	0.11	7.69	10.8	3.1	313
MA 320		91	4	20	1500	156	0.1	1.97	0.09	5.2	0.5	0.1	7.82	14.5	3.3	407
MA 321		91	4	20	2100	126	0.1	1.78	0.1	5.8	0.39	0.1	7.86	15.1	3	432
MA 322		91	4	21	300	91	0.1	1.3	0.08	6.6	0.28	0.08	7.97	17	2.9	489
MA 323		91	4	22	1200	22.7	<0.1	0.8	0.07	7.8	0.07	0.06	8.2	20.4	2.4	580
MA 324	G	91	4	27	1130	52	0.007	0.52	0.03	6.3	0.018	<0.001		20.9	2.2	585
MA 325		91	5	14	1130	5.9	0.037	0.85	0.14	2.5	0.029	0.003	8.38	19.4	2	490
MA 326		91	5	25	1800	35	0.046	1.14	0.29	1.5	0.102	0.025	8.3	47.2	1.8	623
MA 327		91	5	25	2400	42	0.018	1.08	0.27	1.7	0.096	<0.001	8.32	46.7	2	626
MA 328		91	5	26	600	61.8	0.026	1.25	0.05	0.6	0.19	0.018	7.86	16.3	2.8	366
MA 329		91	5	26	900	239	0.009	2	0.08	4.3	0.5	0.09	7.8	33.3	4.2	494
MA 330		91	5	26	1200	281	0.018	2.75	0.58	19.9	0.47	0.195	7.47	28.4	6.1	525
MA 331		91	5	26	1800	46.7	0.016	1.92	0.54	23	0.214	0.063	8.03	30.3	5	630
MA 332		91	5	28	1900	12.7	0.008	0.67	0.14	8.9	0.029	0.007	8.44	25.1	2.8	552
MA 333		91	6	6	1600	12.7	0.014	0.76	0.1	6.7	0.025	<0.001	8.39	27.9	2.5	548
MA 333	G	91	6	6	1600	10.5	0.008	0.74	0.1	6.5	0.035	0.016	8.24	28.2	2.6	547
MA 334		91	6	10	2000	20.2	0.034	1.06	0.12	1.6	0.071	0.028	8.05	39.3	2.6	577
MA 335		91	6	11	1200	17.7	0.079	0.98	0.13	1.3	0.074	0.028	7.94	38.4	2.7	569
MA 336		91	6	11	1600	18.5	0.069	1.02	0.1	1.2	0.072	0.009	8.07	38.5	2.5	564
MA 337		91	6	11	2000	18.2	0.187	1.25	0.13	2	0.14	0.04	7.8	23.1	4.5	424
MA 338		91	6	12	200	14.7	0.069	1.08	0.15	3.2	0.078	0.021	7.92	24.4	3.8	465

@ samples too old for analysis
+ samples exhausted
x data withdrawn
$ results suspect
& results suspect - pebbles at bottom of bottle
! intake tube displaced, next two samples taken for recalibration purposes
NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 339	91 7 8	600	2205	0.009	3.9	0.09	1.2	2.45	0.054	7.9	60.7	39	388
MA 340	91 7 8	900	631	0.07	2.5	0.21	1.1	1.08	0.085	7.85	60.9	20	402
MA 341	91 7 8	1200	378	0.569	2.8	0.13	0.3	0.96	0.065	7.82	54.7	10.7	413
MA 342	91 7 8	1500	230	0.141	2.4	0.24	0.6	0.7	0.056	7.74	52	8.4	422
MA 343	91 10 27	400	70.1	0.003	1.26	0.04	1	0.238	0.041	7.72	134	5.8	731
MA 344	91 10 27	600	67.7	0.019	1.2	0.05	1.4	0.212	0.035	7.73	127	6	673
MA 345	91 10 27	1000	53.2	0.012	1.12	0.05	1.6	0.192	0.038	7.72	143	6	738
MA 346	91 10 27	1400	62.1	0.018	1.08	0.06	1.3	0.264	0.088	7.69	142	6.4	752
MA 347	91 11 20	1800	18.2	0.03	1.63	<0.1	24	0.315	0.116	7.65	33.9	6.1	565
MA 348	91 11 20	2300	35.4	0.01	1.66	<0.1	25	0.244	0.093	7.69	33.1	5.5	575
MA 349	91 11 21	100	59.3	0.05	1.78	<0.1	24	0.312	0.097	7.62	29.7	5	546
MA 350	91 11 21	300	45.9	0.014	1.78	<0.1	26	0.286	0.086	7.65	29.3	4.7	553
MA 351	91 11 21	800	24.7	0.028	1.8	<0.1	27	0.206	0.078	7.79	31.8	4.3	604
MA 352	91 11 22	2400	13.9	0.012	1.01	<0.1	29	0.113	0.052	7.96	34	3.8	674
MA 353	91 11 22	1430	6.3	0.001	1.04	<0.1	27	0.089	0.046	7.99	35.2	3.6	690
MA 353 G	91 11 22	1430	4.5	0.008	0.89	<0.1	28	0.086	0.047	7.98	35	3.6	693
MA 354 G	91 11 25	1600	3.9	<0.001	0.87	<0.05	24	0.052	0.096	8.1	36.1	3.1	723
MA 355	91 11 29	1500	20.5	0.014	1.58	0.1	23	0.182	0.061	7.9	32.3	3.9	517
MA 356	91 11 29	1800	60.2	0.091	1.66	0.01	16.6	0.264	0.07	7.75	24.6	4	453
MA 357	91 11 29	2100	89.6	0.005	2.05	0.02	16.3	0.38	0.071	7.73	24.8	4.3	417
MA 358	91 11 29	2400	60.6	0.001	2.15	0.02	18	0.305	0.112	7.71	31.6	4.7	465
MA 359	91 11 30	1800	18.1	0.06	1.24	0.01	20.9	0.136	0.039	7.93	32.4	3.5	539
MA 360	91 12 1	1200	9.1	0.03	0.95	0.01	20.5	0.076	0.038	8.01	34.2	2.9	595
MA 361 G	91 12 2	1600	4.5	0.005	0.85	0.01	18.4	0.053	0.03	8.07	35.6	2.7	628
MA 361	91 12 2	1600	3	0.014	0.77	0.01	18.2	0.053	0.045	8.07	35	2.7	628
MA 362	91 12 7	900	4.1	0.002	0.69	0.12	12.6	0.036	0.032	8.23	33.6	2.4	609
MA 363	91 12 7	1800	39.6	0.082	1.26	0.14	13.5	0.198	0.071	7.81	26	2.7	403
MA 364	91 12 7	2400	39.1	0.026	1.14	0.14	13.8	0.218 &	0.08	7.82	24.1	3.3	363

@ samples too old for analysis

\+ samples exhausted

x data withdrawn

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& results suspect - pebbles at bottom of bottle

! intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 365	91 12 8	900	23.9	0.007	1.12	0.13	15.7	0.171	0.074	7.82	26.7	3.3	411
MA 366	91 12 8	1500	58.8	<0.001	1.28	0.14	13.4	0.242	0.214	7.74	20.3	3.6	359
MA 367	91 12 8	1800	48.4	<0.001	1.04	0.12	13.3	0.275 &	0.094	7.78	19.8	3.8	353
MA 368	91 12 8	2100	33.8	<0.001	1.27	0.13	13.8	0.234 &	0.087	7.73	20.5	3.8	375
MA 369	91 12 9	300	30.1	<0.001	1.01	0.14	14	0.208 &	0.073	7.87	22.6	3.6	407
MA 370	91 12 9	600	33.4	<0.001	1.16	0.12	13.8	0.218 &	0.074	7.8	21.2	3.3	406
MA 371	91 12 9	1800	15.4	<0.001	0.87	0.12	15	0.122	0.054	8	27.3	2.9	496
MA 372	91 12 10	1200	11.7	<0.001	0.69	0.11	15.8	0.077	0.041	8.1	28.9	2.6	548
MA 372 G	91 12 10	1200	13.5	0.002	0.68	0.11	15.7	0.081	0.036	8.09	28.9	2.6	549
MA 373	91 12 16	1735	6.3	0.01	&	&	&	0.041	0.033	8.17	41.7	3.2	628
MA 374 G	92 1 29	1045	14.8	0.008	0.49	0.02	14.6	0.058	0.01	7.88	34	2.2	591
MA 375	92 2 14	1600	7.8	0.09	0.63	0.03	11.5	0.065	0.035	8.14	32.3	1.9	623
MA 376	92 2 15	2000	19.5	0.377	2.05	0.04	6.2	0.44	0.073	7.63	19.1	2.4	354
MA 377	92 2 15	2400	93.1	0.274	1.42	0.03	6.7	0.294	0.078	7.4	11.8	2.5	272
MA 378	92 2 16	1200	27.7	0.171	1.04	0.03	8.5	0.184	0.1	7.54	16.8	3	318
MA 379	92 2 17	1600	65.4	0.102	0.98	0.02	10.6	0.15	0.04	7.77	29.3	2.4	466
MA 380	92 2 18	800	12.2	0.114	0.73	0.02	6.8	0.083	0.036	7.79	28.2	2.5	480
MA 381	92 2 19	400	3417	0.128	12	0.03	7.1	4.32	0.069	7.78	9.9	3	272
MA 382	92 2 19	800	1816	0.11	7.2	0.03	6.5	2.9	0.058	7.79	9.3	3.1	258
MA 383	92 2 20	1300	87	0.123	1.2	0.03	8.8	0.284	0.159	7.69	15.4	3.5	339
MA 384	92 2 21	1330	23.8	0.019	0.81	0.02	10.4	0.126	0.039	7.74	19.9	2.7	412
MA 384 G	92 2 21	1330	21.3	0.007	0.78	0.02	10.4	0.125	0.048	7.73	19.4	2.7	411
MA 385	92 2 28	1200	16.9	0.013	0.68	0.01	11.2	0.081	0.029	7.58	21.2	2.4	457
MA 386	92 2 28	1600	74.4	0.014	1.1	0.01	9.4	0.206	0.034	7.66	18.6	2.5	405
MA 387	92 2 28	1800	223	0.058	2.2	0.02	6.6	0.635	0.059	7.52	12.3	2.9	289
MA 387 G	92 2 28	1800	210	0.058	2.3	0.02	6.5	0.615	0.06	7.55	11.7	2.9	279
MA 388	92 2 28	2400	57.6	0.034	1.18	0.02	8.5	0.244	0.055	7.61	14.5	2.9	344
MA 389	92 3 6	1200	14.2	0.009	0.62	0.13	10.3	0.069	0.036	7.89	20.6	2.6	441

@ samples too old for analysis

+ samples exhausted

x data withdrawn

$ results suspect

& results suspect - pebbles at bottom of bottle

! intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 390	92 3 6	2200	244	0.077	2.35	0.18	8.7	0.565	0.066	7.54	14.5	3.3	331
MA 391	92 3 6	2400	136	0.048	1.56	0.14	8.8	0.36	0.074	7.56	14.8	3.5	341
MA 392	92 3 7	300	380	0.135	2.8	0.16	7.8	0.79	0.076	7.37	13.6	3.9	316
MA 393	92 3 7	1200	72.1	0.028	1.16	0.15	10.4	0.232	0.069	7.65	17.3	3.4	391
MA 394	92 3 7	2100	36.4	0.006	0.9	0.15	10.8	0.136	0.057	7.74	19.1	3.3	422
MA 395	92 3 8	600	117	0.004	1.44	0.17	8.8	0.31	0.073	7.65	15.3	4	356
MA 396	92 3 8	1200	+	0.001	1.01	0.16	10.2	0.186	0.059	7.8	17.7	3.5	403
MA 397	92 3 10	500	18.7	0.017	0.75	0.02	10.8	0.144	0.083	7.93	22.4	2.8	481
MA 398	92 3 10	1100	233	0.046	1.66	0.03	6.9	0.46	0.057	7.69	17.3	3.5	367
MA 399 G	92 3 10	1300	205	0.045	1.74	0.03	6.3	0.46	0.067	7.64	14.9	3.6	335
MA 399	92 3 10	1300	181	0.088	1.8	0.03	6.5	0.47	0.072	7.57	14.9	3.9	334
MA 400	92 3 10	1700	93.9	0.041	1.36	0.03	7.8	0.29	0.068	7.7	16	3.5	366
MA 401	92 3 17	1300	6.5	0.226	0.81	0.09	7.9	0.067	0.048	7.86	24.4	2	496
MA 402	92 4 7	730	2.4	0.012	0.56	0.02	10.4	0.026	<0.001	8.08	25	1.9	554
MA 403	92 4 16	200	5	0.028	0.56	0.09	8.6	0.01	<0.001	8.1	25.4	2.3	518
MA 404	92 4 16	1200	117	0.131	1.84	0.15	8.8	0.298	0.037	7.8	29.3	3.9	456
MA 405	92 4 16	1600	433	0.103	3.75	0.15	10.3	0.9	0.029	7.71	14.3	3.8	354
MA 406	92 4 16	1800	7132	0.105	24.5	0.12	4.7	11.1	0.041	7.48	8.5	3.8	250
MA 407	92 4 16	2000	3041	0.1	15	0.12	5.1	6.9	0.045	7.67	5.4	4	214
MA 408	92 4 16	2100	1809	0.059	8.5	0.11	6.1	3.48	0.018	7.61	6.3	4.8	218
MA 409	92 4 16	2400	735	0.004	4.5	0.12	7.6	1.56	0.046	7.71	9.3	4.5	284
MA 410	92 4 17	1200	132	0.015	1.46	0.1	11.6	0.312	0.034	7.93	15.9	3	424
MA 411	92 4 18	600	25.1	0.024	0.94	0.09	10.6	0.082	0.029	8.05	18.8	2.4	480
MA 412	92 4 21	1200	14.8	&	&	&	&	0.044	0.031	&	23.1	2.3	521
MA 413	92 4 21	1500	1413	&	&	&	&	2.55	0.044	&	18.6	2.7	387
MA 414	92 4 21	1800	521	&	&	&	&	1.1	0.032	&	16.7	3.4	399
MA 415	92 4 21	2100	129	&	&	&	&	0.35	0.027	&	19	3	446
MA 416 G	92 4 13	900	8.2	0.017	0.99	0.25	4.8	0.039	<0.001	8.05	23.3	3.5	544

@ samples too old for analysis

\+ samples exhausted

x data withdrawn

$ results suspect

& results suspect - pebbles at bottom of bottle

! intake tube displaced, next two samples taken for recalibration purposes

NA not available

Kettle Creek Test Watershed — Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
MA 417	92 6 19	30	85.9	0.093	1.62	0.03	1.1	0.21	0.009	7.94	46.7	2.6	546
MA 418	92 6 19	200	111	0.171	3.25	0.16	17.8	0.405	0.133	8	34.9	7.6	579
MA 419	92 6 19	330	129	0.095	2.35	0.17	19.5	0.355	0.091	7.96	37	6.9	582
MA 420	92 6 19	630	82.7	0.066	1.76	0.35	19.6	0.246	0.07	8.01	30.8	5.6	590
MA 421	92 6 20	1430	4.3	0.007	0.8	0.11	17.4	0.033	0.007	8.29	31.7	2.6	679
MA 421 G	92 6 20	1430	3.8	0.008	0.77	0.11	17.4	0.032	0.006	8.26	32.3	2.6	685
MA 422	92 7 14	1900	535	0.002	4.7	0.25	20.2	0.86	0.082	7.69	17.7	5.9	519
MA 423	92 7 14	2100	213	0.003	2.6	0.15	16.4	0.55	0.069	7.7	18.3	6.9	519
MA 424	92 7 14	2300	87.7	0.004	1.98	0.2	16.3	0.316	0.082	7.71	18.4	6.2	548
MA 425	92 7 15	1200	72.6	0.001	1.22	0.15	15.8	0.114	0.04	8.03	22.5	4.6	649

@ samples too old for analysis
+ samples exhausted
x data withdrawn
$ results suspect
& results suspect - pebbles at bottom of bottle
! intake tube displaced, next two samples taken for recalibration purposes
NA not available

KETTLE CREEK CONTROL

Kettle Creek Control Watershed — Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 1	88 10 26	1515	16.2	0.017	0.95	0.02	12.9	0.124	0.067	8.00	41.85	5.49	653
HO 2	88 10 27	900	<5.0	0.015	0.26	0.01	1.5	0.013	0.008	7.97	12.40	1.74	611
HO 3	88 11 5	1000	1.3	NA	NA	NA	NA	0.038	NA	NA	40.57	5.64	662
HO 4	88 11 5	1500	1.3	NA	NA	NA	NA	0.045	0.010	NA	39.99	5.96	648
HO 5	88 11 5	1700	80.6	NA	NA	NA	NA	0.44	0.147	NA	37.89	13.59	562
HO 6	88 11 6	300	36.0	NA	NA	NA	NA	0.385	0.144	NA	38.28	12.41	514
HO 7	88 11 6	1100	19.2	NA	NA	NA	NA	0.235	0.107	NA	39.32	8.51	546
HO 8	88 11 6	1900	24.1	NA	NA	NA	NA	0.250	0.121	NA	35.90	8.21	504
HO 9	88 11 7	1100	11.2	NA	NA	NA	NA	0.200	0.101	NA	38.26	7.55	522
HO 10	88 11 8	500	4.6	NA	NA	NA	NA	0.139	0.071	NA	39.82	6.10	566
HO 11	88 11 9	2400	<5.0	NA	NA	NA	NA	0.088	0.045	NA	39.26	4.92	589
HO 12	88 12 9	1115	<5.0	0.010	0.63	0.05	7.9	0.054	0.036	7.71	36.72	3.78	616
HO 13	88 12 21	1230	5.5	0.393	1.85	0.05	3.8	0.220	0.143	7.77	30.76	7.21	495
HO 14	89 1 11	930	1.3	<0.001	0.62	0.05	7.0	0.066	0.056	7.58	25.6	3.67	574
HO 15	89 2 17	1230	10.9	0.009	1.00	0.03	3.8	0.099	0.036	7.67	27.6	4.8	575
HO 16	89 3 11	1020	20.8	4.0	5.81	0.11	1.9	0.14	0.010	7.39	14.9	7.4	323
HO 17	89 3 11	1315	15.8	2.9	4.44	0.08	1.9	0.13	0.008	7.58	14.8	6.5	314
HO 18	89 3 11	1820	34.2	1.3	2.82	0.06	1.7	0.17	0.016	7.55	11.9	5.3	263
HO 19	89 3 12	1220	10.2	1.2	2.71	0.04	2.0	0.10	@	7.64	14.1	5.2	305
HO 20	89 3 14	1200	<5.0	0.013	0.95	0.01	1.9	0.06	0.007	7.78	16.1	3.8	340
HO 21	89 3 15	810	51.4	0.653	2.95	0.04	2.2	0.26	0.040	7.58	20.6	5.8	331
HO 22	89 3 15	1805	12.6	0.387	2.50	0.05	3.8	0.15	0.037	7.78	24.2	5.1	389
HO 23	89 3 15	1805	14.4	0.368	2.15	0.05	3.7	0.15	0.008	7.85	23.4	5.0	377
HO 23 G	89 4 2	1700	3.0	0.032	0.79	0.02	6.8	0.070	0.032	8.26	28.2	3.4	567
HO 24	89 4 2	2300	3.8	0.037	0.80	0.02	6.5	0.099	0.070	8.05	28.6	3.6	568
HO 25	89 4 3	200	8.5	0.090	0.85	0.03	6.3	0.102	0.052	7.98	28.1	3.9	558
HO 26	89 4 3	500	25.1	0.099	1.33	0.03	5.7	0.132	0.032	8.01	30.6	4.6	530
HO 27	89 4 3	800	40.0	0.236	1.65	0.04	5.4	0.182	0.035	7.83	31.1	5.6	495
HO 28	89 4 3	1115	166	0.155	2.29	0.04	5.2	0.46	0.030	7.82	27.0	7.8	416

@ samples too old for analysis
+ sample exhausted
x data withdrawn
$ results suspect
% lab instrument malfunction
NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 29	89 4 4	100	14.3	0.165	1.37	0.05	7.6	0.134	0.031	7.98	26.1	4.5	483
HO 30	89 4 4	700	42.4	0.231	1.63	0.05	7.1	0.20	0.043	7.99	27.1	5.4	482
HO 31	89 4 5	1600	<5.0	0.058	0.71	0.03	7.8	0.074	0.043	8.29	29.5	4.1	521
HO 32	89 4 5	2200	34.8	0.052	1.09	0.03	6.7	0.146	0.062	8.16	29.8	5.4	497
HO 33	89 4 6	700	<5.0	0.090	1.00	0.03	7.2	0.083	0.048	8.19	31.0	4.3	516
HO 34	89 4 7	100	<5.0	0.072	0.81	0.02	7.4	0.070	0.046	8.22	30.0	3.8	541
HO 35	89 4 8	1600	<5.0	0.053	0.78	0.02	6.3	0.080	0.059	8.27	29.8	3.6	545
HO 36	89 4 29	600	14.3	0.061	0.71	0	0.3	0.080	0.032	8.29	25.5	4.2	529
HO 37	89 4 29	1500	<5.0	0.024	1.31	0	0.3	0.063	0.042	8.34	26.2	4.0	533
HO 38	89 4 30	300	14.1	0.017	0.67	0.02	0.2	0.072	0.026	8.28	25.8	3.8	526
HO 39	89 4 30	1500	<5.0	0.017	0.63	0.02	0.2	0.051	0.028	8.35	25.5	3.9	523
HO 40	89 5 11	1315	8.9	0.010	0.79	0.01	<0.1	0.068	0.016	8.00	24.9	3.2	541
HO 40 G	89 5 11	1315	5.8	0.011	0.72	0.01	<0.1	0.053	0.012	8.41	25.3	3.2	518
HO 41	89 5 11	1500	8.0	0.017	0.95	<0.01	0.1	0.091	0.027	8.25	23.8	3.2	532
HO 42	89 5 11	2100	11.3	0.012	0.82	<0.01	0.1	0.102	0.011	8.24	23.3	3.0	510
HO 43	89 5 12	1200	5.2	0.010	0.80	<0.01	0.1	0.24	0.190	8.24	22.7	3.8	534
HO 44	89 5 12	1500	19.9	0.009	0.83	<0.01	0.1	0.20	0.098	8.24	22.1	3.3	507
HO 45	89 5 12	1700	12.8	0.112	1.02	0.01	0.2	0.43	0.325	8.15	23.8	4.7	531
HO 46	89 5 12	2000	9.4	0.074	1.13	0.03	0.5	0.32	0.225	8.21	23.9	5.7	541
HO 47	89 5 13	500	11.8	0.018	0.86	0.01	0.2	0.165	0.098	8.06	25.3	4.5	566
HO 48	89 5 14	1400	<5.0	0.009	0.64	<0.01	0.1	0.139	0.086	8.07	28.7	3.9	596
HO 49	89 5 15	1400	6.2	0.022	0.63	<0.01	0.3	0.147	0.096	8.06	27.8	3.9	594
HO 50	89 5 25	2200	33.0	0.051	1.18	0.03	<0.1	0.262	0.147	8.34	24.4	5.0	578
HO 51	89 5 26	100	98.3	0.3	2.05	0.19	0.5	1.19	0.70	8.21	22.4	9.2	520
HO 52	89 5 26	400	53.4	0.4	2.50	0.13	0.7	0.76	0.41	8.19	23.3	12.6	526
HO 53	89 5 26	700	77.7	0.030	2.14	0.08	1.1	0.53	0.195	8.17	23.6	9.9	491
HO 54	89 5 26	905	45.9	0.056	1.90	0.08	1.4	0.352	0.142	7.60	25.8	8.3	496
HO 54 G	89 5 26	905	35.2	0.042	1.88	0.07	1.4	0.346	0.140	7.47	24.9	8.7	491
HO 55	89 5 26	1100	18.0	0.039	1.40	0.09	2.0	0.31	0.155	8.14	27.2	7.2	515

@ samples too old for analysis
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NA not available

Kettle Creek Control Watershed — Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 56	89 5 26	1500	9.6	0.037	1.12	0.07	2.6	0.144	0.088	8.25	34.3	5.4	583
HO 57	89 5 26	2100	11.0	0.028	1.09	0.09	2.4	0.154	0.147	8.22	32.6	4.7	602
HO 58	89 5 27	600	<5.0	0.054	1.13	0.13	2.3	0.178	0.144	8.21	30.6	5.1	634
HO 59	89 5 28	600	7.2	0.028	0.81	0.05	0.9	0.157	0.104	8.07	31.8	5.0	655
HO 60	89 6 3	1530	9.6	0.008	1.02	0.34	3.1	0.155	0.046	8.23	36.7	5.3	676
HO 61	89 6 3	1730	20.6	0.015	1.12	0.09	3.1	0.255	0.130	8.17	33.9	5.1	623
HO 62	89 6 3	1930	21.4	0.013	1.28	0.09	3.0	0.315	0.198	8.06	32.4	5.8	607
HO 63	89 6 3	2130	12.1	0.047	1.20	0.09	3.1	0.300	0.146	8.04	32.1	6.4	624
HO 64	89 6 3	2330	10.2	0.036	1.36	0.10	2.6	0.250	0.106	8.03	32.0	6.6	624
HO 65	89 6 4	530	7.4	0.019	1.08	0.09	2.0	0.174	0.118	8.09	35.5	6.2	647
HO 66	89 6 4	1530	<5.0	<0.001	0.80	0.06	3.1	0.113	0.066	8.19	41.9	4.5	684
HO 67	89 6 5	1130	<5.0	0.002	0.83	0.08	2.2	0.131	0.061	8.13	36.1	4.7	686
HO 68	89 6 19	1725	34.2	0.2	1.35	0.09	0.6	0.27	0.19	7.95	46.9	7.5	691
HO 69	89 6 19	1830	27.7	<.1	1.51	0.05	0.3	0.29	0.12	7.76	42.9	7.0	713
HO 70	89 6 19	1930	99.2	0.2	1.75	0.09	7.2	0.87	0.47	7.62	37.5	9.6	620
HO 71	89 6 19	2030	83.7	0.2	2.25	0.10	10.4	1.09	0.68	7.54	36.7	10.8	582
HO 72	89 6 19	2130	55.3	0.2	2.42	0.12	10.4	0.85	0.56	7.55	44.2	16.6	614
HO 73	89 6 19	2330	38.6	0.5	3.53	0.18	8.6	1.06	0.66	7.59	48.2	29.8	688
HO 74	89 6 20	130	29.9	0.3	2.34	0.10	6.0	0.52	0.29	7.71	32.9	13.5	644
HO 75	89 6 20	530	19.4	0.1	1.73	0.10	6.2	0.30	0.14	7.81	42.7	8.7	603
HO 76	89 6 20	1230	11.1	<0.1	1.35	0.09	7.8	0.18	0.09	7.84	41.5	6.0	681
HO 77	89 6 21	30	8.5	0.1	1.44	0.25	7.4	0.22	0.10	7.96	35.3	5.8	693
HO 78	89 6 21	2330	7.9	0.1	1.01	0.14	3.6	0.18	0.08	7.85	37.6	5.0	724
HO 79	89 6 22	230	38.7	0.1	1.44	0.11	5.1	0.44	0.21	7.74	32.3	7.2	652
HO 80	89 6 22	530	26.2	<0.1	1.55	0.10	3.4	0.29	0.12	7.73	31.5	6.9	626
HO 81	89 6 22	1130	17.7	<0.1	1.38	0.15	5.0	0.23	0.09	7.76	34.5	6.3	590
HO 82	89 6 23	1230	10.6	<0.1	1.36	0.15	4.9	0.25	0.14	8.28	41.0	9.5	637
HO 83	89 6 24	2300	7.9	<0.1	0.95	0.14	3.1	0.16	0.10	8.03	38.5	4.7	725
HO 84	89 6 26	500	5.0	<0.1	0.98	0.15	1.8	0.14	0.07	7.87	41.4	4.6	739

@ samples too old for analysis
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x data withdrawn
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% lab instrument malfunction
NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 82	89 7 25	1545	3327	<0.1	10.9	0.11	3.3	5.25	0.12	7.41	15.6	5.6	252
HO 82 G	89 7 25	1545	4192	0.1	12.5	0.06	3.7	6.32	0.22	7.83	10.7	6.0	215
HO 83	89 7 25	1645	3694	<0.1	12.0	0.10	3.3	5.55	0.07	7.48	8.9	5.8	213
HO 83 G	89 7 25	1653	2781	<0.1	8.50	0.08	3.6	4.59	0.10	7.68	8.7	5.8	201
HO 84	89 7 25	1745	2316	<0.1	7.62	0.19	4.1	4.04	0.11	7.37	14.0	12.6	262
HO 85	89 7 25	1845	1357	<0.1	5.44	0.11	4.0	2.93	0.10	7.34	12.5	9.4	252
HO 86	89 7 26	745	30.7	<0.1	1.34	0.08	5.4	0.65	0.07	7.61	26.8	6.1	523
HO 87	89 7 26	1500	14.4	0.1	1.19	0.09	5.3	0.17	0.12	7.95	30.5	5.8	555
HO 88	89 7 27	900	12.7	0.1	1.10	0.09	3.6	0.10	0.06	7.69	32.1	4.8	611
HO 89	89 7 28	753	8.7	0.1	0.93	0.11	3.1	0.09	0.03	7.70	31.1	4.7	673
HO 89 G	89 7 28	753	9.7	0.2	1.01	0.07	3.2	0.12	0.02	7.59	32.2	4.9	679
HO 90 G	89 11 15	900	28.4	<0.1	5.29	0.04	9.6	1.64	0.14	7.5	31.6	6.4	1044
HO 91	89 11 15	1735	51.7	0.7	6.85	0.67	3.8	1.69	0.9	7.78	112	55	1120
HO 92	89 11 15	2035	26.1	1	5.91	0.37	3.4	1.32	0.93	7.82	120	61	1143
HO 93	89 11 16	105	61	3.7	14.1	0.58	3.4	3.44	2.29	7.68	123	119	1251
HO 94	89 11 16	235	49.6	3.3	12.8	0.44	3.7	3	1.97	7.69	109	111	1125
HO 95	89 11 16	705	34.4	0.2	1.69	0.05	9.6	0.48	0.32	7.7	61.6	18.1	601
HO 96	89 11 16	1000	39.4	0.1	1.83	0.06	10.3	0.51	0.29	7.74	53.7	14.5	568
HO 96 G	89 11 16	1000	36.4	0.2	1.82	0.07	13.1	0.55	0.41	7.6	61.9	18.6	545
HO 97	89 11 16	1600	17.5	0.1	1.53	0.03	12.4	0.35	0.21	7.64	51.6	11.7	610
HO 98	89 11 17	1700	10.5	0.1	1.03	0.02	13.1	0.22	0.15	7.96	55.7	8.9	655
HO 99	89 11 18	1700	5.9	0.1	0.85	0.02	8.6	0.13	0.06	7.88	63	6	709
HO 100	89 11 27	1900	7.8	<0.1	0.75	0.04	5	0.1	0.02	7.93	66.2	5.5	779
HO 101	89 11 27	2300	8.5	0.1	1.05	0.02	5.4	0.17	0.05	8.02	50.8	7.1	685
HO 102	89 11 28	100	7.4	0.8	2.34	0.02	4.8	0.48	0.28	7.87	53	14.9	734
HO 103	89 11 28	300	10	1.4	3.43	0.06	5.2	0.45	0.19	7.71	50.7	17.4	712
HO 104	89 11 28	500	62.4	0.6	2.55	0.1	4.7	0.44	0.12	7.73	47	12.6	607
HO 105	89 11 28	900	44.9	0.2	1.7	0.04	6.8	0.33	0.1	7.78	49.3	10.5	582
HO 106	89 11 28	1500	15.5	0.1	1.43	0.03	8.4	0.24	0.08	7.88	49.8	8.8	609

@ samples too old for analysis

\+ sample exhausted

x data withdrawn

$ results suspect

% lab instrument malfunction

NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 107	89 11 29	100	11.5	0.1	1.26	0.02	8.7	0.19	0.08	7.88	51.5	7.1	642
HO 108	89 11 29	1100	4.6	<0.1	0.67	0.01	6	0.09	0.01	7.86	53.9	4.4	685
HO 109 G	89 12 11	1700	29.5	<0.1	0.6	0.01	4.3	0.09	0.04	7.82	45.7	4.9	788
HO 110 G	89 12 13	1030	30.7	<0.1	0.63	0.02	4.1	0.09	0.03	7.84	53.5	5	818
HO 111 G	90 1 9	800	2.8	<0.1	0.9	0.04	7.3	0.17	0.07	7.37	33.8	5.1	551
HO 112	90 1 16	1400	<5.0	<0.1	0.72	0.03	9.3	0.12	0.03	7.94	38.6	4.2	602
HO 113	90 1 17	200	<5.0	<0.1	0.82	0.06	8.9	0.15	0.06	7.94	35.4	4.4	593
HO 114	90 1 17	600	9.8	1.3	2.98	0.08	7.7	0.22	0.04	7.66	38.5	8.5	594
HO 115	90 1 17	1000	21.9	0.4	1.8	0.11	6.9	0.22	0.04	7.69	35.6	6.5	519
HO 116	90 1 17	1400	296	0.1	2.8	0.06	5	0.85	0.12	7.54	19.4	5.3	327
HO 117	90 1 17	1800	93.4	<0.1	1.67	0.05	3.6	0.46	0.11	7.35	12.9	4.7	239
HO 118	90 1 17	2200	29.9	0.5	1.17	0.07	4.3	0.27	0.08	7.35	16.5	4.9	241
HO 119	90 1 18	200	49.7	0.1	1.31	0.09	4.8	0.33	0.11	7.28	15.8	4.9	234
HO 120	90 1 18	1000	35.4	0.1	1.27	0.27	5.9	0.3	0.11	7.28	16.8	4.9	257
HO 121	90 1 18	1800	14.9	<0.1	1.05	0.06	7.6	0.21	0.08	7.58	20.8	4.9	319
HO 122	90 1 19	200	11.6	<0.1	0.97	0.05	8.2	0.18	0.04	7.7	25.5	4.4	383
HO 123	90 1 19	1000	4.6	<0.1	0.88	0.04	9.5	0.13	0.04	7.72	28.9	4.4	428
HO 124	90 1 19	1800	6.1	<0.1	0.91	0.05	10.5	0.13	0.04	7.67	28.8	4.3	432
HO 125	90 1 20	200	7.8	<0.1	0.88	0.04	10.4	0.13	0.04	7.66	30.5	4.2	460
HO 126	90 1 20	1800	6.7	0.4	0.86	0.03	10.5	0.11	0.03	7.73	31.7	4.1	490
HO 127	90 1 21	1400	6.9	<0.1	0.74	0.03	10.2	0.13	0.04	7.74	33.2	4	509
HO 128	90 1 22	1000	6.1	<0.1	0.75	0.04	10	0.12	0.02	7.72	32.7	4	520
HO 129 G	90 2 20	1455	8.5	<0.1	0.72	<0.01	6.1	0.1	0.06	7.85	26.9	#	524
HO 130	90 3 16	1100	29.7	<0.1	1.29	0.04	4.7	0.24	0.05	7.47	26.7	4	470
HO 130 G	90 3 16	1100	14.1	<0.1	0.94	0.03	5.6	0.26	0.1	7.64	26	4	470
HO 131	90 3 16	1400	215	<0.1	2.72	0.07	4.5	0.81	0.08	7.58	25.2	4.6	417
HO 132	90 3 17	1100	9.9	<0.1	1.02	0.03	5.6	0.21	0.12	7.58	29	3.9	482
HO 133	90 3 19	900	10.6	<0.1	0.76	0.03	5.6	0.15	0.06	7.51	27.8	3.3	504
HO 134	90 3 22	1630	4.9	<0.1	0.74	0.04	5.7	0.04	<0.01	8.22	29.6	3.2	500

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NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 135		90	3	22	2230	163	0.2	1.74	0.06	5.2	0.49	0.08	8	28.1	4.4	478
HO 136		90	3	23	130	160	0.2	2.34	0.07	4.3	0.59	0.07	7.93	26.9	4.6	442
HO 137		90	3	23	730	37.7	0.1	1.24	0.04	4.2	0.21	0.06	8.05	29	4	450
HO 138		90	3	23	1330	11.1	<0.1	0.97	0.03	5.9	0.1	0.05	8.14	29.4	3.6	472
HO 139	$	90	4	2	200	4.9	@	1.12	@	@	0.09	0.13	@	33.4	4	558
HO 140	$	90	4	2	500	4.3	@	0.97	@	@	0.06	0.11	@	33.5	3.9	561
HO 141	$	90	4	2	800	4.1	@	1.03	@	@	0.06	0.11	@	33.1	3.9	556
HO 142	$	90	4	2	1100	110	@	2.45	@	@	0.4	0.14	@	31	7.1	513
HO 143	$	90	4	2	1400	170	@	2.3	@	@	0.54	0.1	@	28.2	5.2	447
HO 144	$	90	4	2	1700	71.9	@	1.43	@	@	0.3	0.1	@	28.5	4.3	445
HO 145	$	90	4	2	2000	33.1	@	1.23	@	@	0.2	0.14	@	29.3	4.3	467
HO 146	$	90	4	3	200	19.8	@	1.1	@	@	0.13	0.08	@	30.2	4.1	500
HO 147	G	90	4	6	1745	3.7	<0.1	0.64	0.02	5.2	0.06	0.02	8.17	29.9	3	535
HO 148		90	4	10	1745	669	<0.1	4.26	0.04	1.9	1.57	0.01	7.11	14.6	4.5	409
HO 149		90			ISCO MALFUNCTION											
HO 150		90			ISCO MALFUNCTION											
HO 151		90			ISCO MALFUNCTION											
HO 152		90			ISCO MALFUNCTION											
HO 153		90			ISCO MALFUNCTION											
HO 154		90			ISCO MALFUNCTION											
HO 155		90			ISCO MALFUNCTION											
HO 156		90			ISCO MALFUNCTION											
HO 157		90	4	12	745	23.1	<0.1	0.9	0.03	7.7	0.12	0.02	7.82	27.3	3	517
HO 158		90	4	12	945	25.3	<0.1	0.93	0.04	7.6	0.12	0.02	7.73	28.2	3.1	518
HO 158	G	90	4	12	945	9.5	<0.1	0.79	0.04	7.5	0.08	0.02	7.73	28.2	3	522
HO 159		90	4	19	1800	45.2	0.1	1.4	0.03	2.1	0.19	0.03	7.7	34	3.2	547
HO 160		90	4	20	1500	58.7	0.1	0.94	0.02	3.4	0.16	0.01	7.94	29	3.2	536
HO 161		90	4	20	2100	16.6	0.4	1.7	0.02	3.1	0.22	0.05	7.72	17.9	5.8	522
HO 162		90	4	20	2400	26.1	0.5	1.78	0.03	3.1	0.18	0.04	7.69	30	7.4	515

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Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 163	90 4 21	300	86.5	0.5	1.94	0.03	3.2	0.31	0.02	7.63	29.4	5.9	482
HO 164	90 4 21	600	38.9	0.3	1.34	0.02	3.5	0.19	0.02	7.72	28.7	4.6	481
HO 165	90 4 21	900	21.2	0.2	1.11	0.02	3.9	0.13	0.01	7.82	29.8	4.4	491
HO 165 G	90 4 21	900	16.1	0.2	1.1	0.02	4.1	0.14	0.012	7.66	30	4.3	499
HO 166	90 4 21	1800	3.6	0.1	0.9	0.02	4.6	0.1	0.02	7.91	31.2	3.8	511
HO 167	90 4 22	1500	7.1	0.3	0.75	0.02	4.7	0.09	<0.01	7.88	32.5	3.1	540
HO 168 G	90 5 3	925	34.8	0.1	1.33	0.04	<0.1	0.16	<0.01	7.73	27.8	4.3	502
HO 169	90 5 4	1200	190	0.1	2.16	0.02	<0.1	0.5	0.02	7.99	29.1	3.5	510
HO 170	90 5 4	1800	80	<0.1	1.73	0.02	0.1	0.27	<0.01	7.94	27.8	3.8	497
HO 171	90 5 4	2400	39.1	0.1	1.36	0.02	0.2	0.2	0.01	8.02	26.7	4.2	505
HO 172	90 5 5	1500	24.8	0.1	1.34	0.03	0.4	0.16	0.01	8.06	26.1	4.8	526
HO 173	90 5 6	600	25.7	<0.1	1.08	0.02	0.2	0.11	<0.01	8.04	28.3	4	551
HO 174 G	90 5 9	1525	43.3	<0.1	1.32	0.02	<0.1	0.15	<0.01	7.94	29	4.6	507
HO 175	90	NO SAMPLES SUBMITTED											
HO 176	90 5 10	1500	84.3	<0.1	1.54	0.02	<0.1	0.27	<0.01	7.99	28.6	4.4	525
HO 176 G	90 5 10	1500	96.8	<0.1	1.63	0.02	<0.1	0.29	<0.01	7.95	28.5	4.3	527
HO 177	90 5 12	2400	198	<0.1	2.15	0.01	<0.1	0.42	<0.01	7.37	29.5	4.7	557
HO 178	90 5 13	600	196	<0.1	2.12	0.01	<0.1	0.52	<0.01	7.73	31.4	4.1	524
HO 179	90 5 13	900	160	<0.1	2.18	0.01	0.2	0.56	0.03	7.65	42.3	4.7	555
HO 180	90 5 13	1200	82.7	0.5	3.2	0.09	1.1	0.64	0.16	7.68	31.8	12.5	509
HO 181	90 5 13	1500	62.1	0.1	2.22	0.07	1.7	0.39	0.06	7.81	28.8	8.6	474
HO 182	90 5 13	1800	37.9	0.1	1.95	0.08	3.8	0.29	0.04	7.88	31.2	6.9	504
HO 183	90 5 13	2400	25.1	0.1	1.92	0.13	7.3	0.25	0.03	7.91	33.6	7.8	586
HO 184	90 5 14	1330	14.8	<0.1	1.48	0.2	7	0.18	<0.01	7.78	34.6	6.9	626
HO 184 G	90 5 14	1330	3.8	<0.1	1.14	0.09	6.9	0.13	<0.01	8.18	32.5	5.7	610
HO 185	90 5 15	1800	70.2	<0.001	1.65	0.18	3.3	0.21	<0.001	7.79	52.2	5.2	685
HO 186	90 5 16	900	57.7	0.068	1.4	0.07	3.1	0.033	x	7.65	66.6	4.6	745
HO 187	90 5 16	1200	421	0.015	3.5	0.22	4.6	1	0.064	7.53	35	5.6	477
HO 188	90 5 16	1500	329	0.398	4.6	0.43	13.6	0.91	0.087	7.48	27.6	6	441

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Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 188 G	90 5 16	1500	278	0.829	4.3	0.51	17	0.88	0.171	7.39	21.3	6.5	432
HO 189	90 5 16	1800	163	0.872	3.4	0.53	17.9	0.565	0.15	7.41	26.7	6.4	498
HO 190	90 5 16	2100	66	0.745	3.25	0.46	19.4	0.35	0.25	7.67	28.7	6.2	547
HO 191	90 5 16	2400	46.6	0.575	2	0.33	19.2	0.275	0.12	7.77	29.6	5.5	574
HO 192	90 5 17	600	42.6	0.331	2.7	0.22	18.7	0.24	0.098	7.83	29.3	5	590
HO 193	90 5 17	900	2266	0.219	11.8	0.19	12.7	4.6+	0.043	7.4	18.1	5	406
HO 194	90 5 17	1200	1078	0.622	6.7	0.27	13.8	0.2	0.083	7.52	19.7	5.4	408
HO 195	90 5 17	1500	293	0.835	3.5	0.4	14.5	0.88	0.154	7.57	16.4	5.5	403
HO 195 G	90 5 17	1500	211	0.722	2.55	0.27	15.7	0.555	0.115	7.55	25	6.3	466
HO 196	90 5 17	1800	181	0.489	2.8	0.22	15.6	0.53	0.092	7.58	25.1	5.3	490
HO 197	90 5 18	300	64.4	0.105	1.26	0.1	15.8	0.178	0.019	8.02	25.3	3.3	553
HO 198	90 5 18	1200	36.4	0.002	1.26	0.07	15.8	0.102	0.012	7.94	26.5	3	593
HO 199	90 5 19	2100	22	<0.001	1.06	0.1	11.4	0.148	0.041	8.09	30.9	3.7	599
HO 200	90 5 20	1200	79.2	<0.001	1.65	0.08	10.1	0.285	0.059	8	29.9	4.8	565
HO 201	90 5 20	1800	857	0.001	5	0.1	9.7	1.81	0.02	7.55	24.9	5.1	424
HO 202	90 5 20	2400	92	0.089	1.8	0.13	13	0.35	0.07	7.69	33.4	4.7	549
HO 203	90 5 21	1200	18.5	<0.001	0.94	0.07	13.1	0.152	0.069	7.86	32.4	3.6	593
HO 204	90 6 6	930	20.2	0.109	1.6	0.06	1.6	0.185	0.05	8.1	35.7	6.7	608
HO 204 G	90 6 6	930	58	0.114	2	0.06	2.1	0.28	0.002	7.88	43.7	6.4	646
HO 205	90 6 8	100	163	0.105	3.55	0.15	3.4	0.89	0.148	8.01	37	5	547
HO 206	90 6 8	1015	200	0.054	2.5	0.1	4.6	0.695	0.124	8.26	35.6	5.2	531
HO 206 G	90 6 8	1015	132	0.4	3.4	0.06	1.6	1.62	0.925	7.82	25.1	15	409
HO 207	90 6 8	1300	566	0.008	4.1	0.11	2.9	1.61	0.115	7.87	20	7	356
HO 208	90 6 8	1600	183	0.018	2.25	0.08	4.5	0.63	0.073	8.14	33.4	6.4	479
HO 209	90 6 8	2200	43.7	0.048	1.4	0.16	7.9	0.15	0.057	8.29	40	5	602
HO 210	90 6 10	100	25.6	0.041	1.48	0.16	5.8	0.17	0.099	8.33	40.2	5.7	618
HO 211	90 6 11	700	18.1	<0.001	1.2	0.14	5.5	0.114	0.037	8.29	37.5	4.2	648
HO 212	90 6 23	1100	87.2	@	6.4	0.02	0.1	0.7	0.007	7.67	45.9	8.8	706
HO 213	90 6 23	1700	80.5	0.677	6	0.03	0.1	0.8	0.055	8.08	49.3	6.4	654
HO 214	90 6 23	2000	112	0.362	2.2	0.04	1.2	0.37	0.013	8.03	44	5.6	608

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Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 215	90 6 23	2300	166	<0.001	2.8	0.1	5.7	0.76	0.061	7.82	25	5.8	425
HO 216	90 6 24	500	59.1	0.093	2.9	0.36	25.2	0.5	0.124	7.91	23.8	7.4	576
HO 217	90 6 25	1400	28.3	0.182	1.95	0.18	18.9	0.16	0.041	8.03	28.9	5.2	649
HO 219	90 7 10	1145	26	0.093	1.12	0.08	11.5	0.154	0.075	7.84	22.4	4.6	596
HO 220 G	90 7 12	1145	38.3	0.155	1.3	0.11	7.7	0.138	0.034	7.91	27.5	4.7	649
HO 221 G	90 7 27	1030	43.4	0.096	0.75	0.04	0.8	0.1	0.04	7.98	58.7	5.1	767
HO 222	90 7 30	1500	863	0.009	2.9	0.02	0.1	0.88	0.042	7.41	69.7	4.3	659
HO 223	90 7 30	1800	1828	0.003	7.75	0.03	0.7	3.4	0.083	7.36	14	6.4	245
HO 224	90 7 30	1900	1074	0.019	4.8	0.04	1	2.22	0.094	7.24	14.2	7.6	253
HO 224 G	90 7 30	1900	993	0.022	4.7	0.05	1.1	2.3	0.133	7.41	8.9	8	207
HO 225	90 7 30	2200	295	0.003	2.4	0.04	1.9	0.85	0.13	7.35	18.2	8.4	332
HO 226	90 7 30	2400	84.2	0.003	1.55	0.05	3	0.36	0.23	7.53	20.6	7.8	443
HO 227	90 7 31	600	69.6	0.003	1.65	0.08	5.5	0.34	0.134	7.58	22.1	7.5	504
HO 228	90 7 31	1800	148	0.006	1.6	0.08	3.5	0.35	0.024	7.39	38.6	4.7	626
HO 229 G	90 8 7	1730	38.1	0.002	1.55	0.02	0.4	0.185	0.002	7.95	62.1	4.6	766
HO 230	90 8 16	1030	8	0.124	0.95	0.03	0.4	0.12	0.092	7.8	46.4	7.8	788
HO 231	90 8 27	2100	228	<0.001	1.55	0.21	0.4	0.455	0.015	8.27	69.6	5.8	774
HO 232 G	90 8 28	1930	692	<0.001	3.5	0.03	1.3	1.66	0.148	7.26	2.1	5	120
HO 233 G	90 8 28	2030	565	<0.001	3.2	0.03	1.3	1.55	0.17	7.18	2.2	4.8	125
HO 234 G	90 8 29	700	108	<0.001	1.65	0.05	4.1	0.55	0.145	7.64	8.5	6	309
HO 235 G	90 8 29	800	118	0.005	1.8	0.05	4.6	0.525	0.151	7.82	9	5.8	323
HO 235	90 8 29	800	111	<0.001	1.75	0.14	4.3	0.515	0.146	7.77	9.9	5.8	326
HO 236	90 8 29	1100	78.7	0.002	1.5	0.12	4.6	0.395	0.138	7.81	11.7	5.4	360
HO 237	90 8 29	1700	50.5	0.013	1.25	0.11	5.7	0.28	0.094	7.94	13.8	5.2	424
HO 238	90 8 29	2300	40.9	0.044	1.15	0.11	6.1	0.225	0.091	8.09	16	4.8	482
HO 239	90 8 30	2100	21.4	0.019	0.82	0.12	4.6	0.11	0.04	8.04	28.6	4	613
HO 240	90 8 31	2000	32.6	0.216	1.01	0.28	4.9	0.139	0.051	8.03	35.9	4.9	656
HO 240 G	90 8 31	2000	28.3	0.081	0.97	0.35	4.9	0.144	0.069	8.12	23.4	5.1	611
HO 241	90 9 14	1100	105	0.004	0.88	0.14	1.1	0.096	0.017	8.12	29.8	3.9	743

@ samples too old for analysis
+ sample exhausted
x data withdrawn
$ results suspect
% lab instrument malfunction
NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 242	90 9 14	1400	58.3	0.099	0.62	0.07	1.1	0.086	0.04	7.95	48.6	4.2	743
HO 243	90 9 14	1600	89.2	0.093	0.68	0.06	1.2	0.102	0.013	8.02	44.4	4.2	722
HO 243 G	90 9 15	1600	93.7	<0.001	1.25	0.02	0.9	0.235	0.01	7.98	27.2	4.9	587
HO 244	90 9 14	1800	1480	<0.001	6.5	0.03	0.8	3.1	0.106	7.29	11.54	6.7	228
HO 245	90 9 14	2000	550	0.023	3.3	0.04	1.5	1.46	0.187	7.19	9.9	7.7	220
HO 246	90 9 14	2200	268	0.03	2.4	0.04	1.9	0.97	0.265	7.26	9.8	8.6	245
HO 247	90 9 14	2400	152	0.055	2.15	0.05	2.3	0.74	0.249	7.36	13.9	8.2	288
HO 248	90 9 15	200	132	0.02	2	0.05	3.2	0.59	0.18	7.47	13.8	7.8	333
HO 249	90 9 15	1200	50.9	0.001	1.45	0.04	5.3	0.31	0.172	7.83	16.9	6.1	474
HO 250	90 9 16	1000	21.1	<0.001	0.88	0.04	6.4	0.152	0.079	7.95	20.2	4.3	600
HO 251	90 9 17	1100	79.5	<0.001	0.84	0.04	6.9	0.161	0.061	7.92	23	4.1	653
HO 252	90 9 25	1415	65	<0.001	0.67	0.04	4.8	0.62	0.3	8.14	27.2	4.1	682
HO 253	90 10 7	1800	107	0.065	0.59	0.07	2.6	0.091	0.001	7.95	49	3.4	740
HO 254	90 10 9	454	131	1.85	1.85	0.02	2.2	0.795	0.268	7.54	26.8	7.4	630
HO 255	90 10 9	845	381	3.4	3.4	0.02	1.9	1.26	0.107	7.22	14.3	9	332
HO 256	90 10 9	1145	158	2.65	2.65	0.02	3.1	0.89	0.273	7.18	17.7	10.6	373
HO 257	90 10 9	1745	135	2.5	2.5	0.06	4.9	0.735	0.248	7.44	22.2	8.9	503
HO 257 G	90 10 9	1745	65.4	0.031	1.9	0.05	5.2	0.56	%	7.46	22.8	9.1	506
HO 258	90 10 9	2045	102	0.03	2.2	0.04	5.4	0.505	0.173	7.54	24.3	8.9	492
HO 259	90 10 10	1445	34.4	0.048	1.34	0.05	6.6	0.295	0.162	7.74	24.7	6.7	587
HO 260	90 10 10	2345	61.1	0.04	1.5	0.05	6	0.324	0.116	7.73	24.9	6.4	585
HO 261	90 10 11	245	378	0.065	3.05	0.02	3.4	1	0.1	7.27	16.4	8.3	373
HO 262	90 10 11	545	201	0.039	2.36	0.03	3.3	0.79	0.19	7.32	16	8.9	364
HO 263	90 10 11	1145	83	0.045	1.72	0.04	4.8	0.54	0.05	7.65	19.2	7.3	464
HO 264	90 10 12	1145	28	0.047	1.04	0.04	6.9	0.193	0.1	7.87	23.1	4.7	636
HO 265	90 10 12	1445	84.1	0.08	1.47	0.04	5.4	0.345	0.105	7.69	21.2	5.2	576
HO 265 G	90 10 12	1445	73.2	0.103	1.3	0.04	5.7	0.315	0.108	7.66	22.3	5.5	579
HO 266	90 10 12	1745	216	0.037	2.2	0.02	3	0.83	0.14	7.55	15.4	7	360
HO 267	90 10 12	2045	122	0.045	1.98	0.03	2.8	0.55	0.13	7.6	15.6	7.3	376
HO 268	90 10 13	545	50.7	0.094	1.52	0.04	4.9	0.326	0.142	7.76	20.7	6	514

@ samples too old for analysis
+ sample exhausted
x data withdrawn
$ results suspect
% lab instrument malfunction
NA not available

Kettle Creek Control Watershed — Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 269	90 10 15	845	18	0.054	0.86	0.04	6.1	0.15	0.083	7.81	24.5	4.2	670
HO 270	90 10 18	730	662	0.131	5.3	0.24	0.8	1.57	0.016	7.1	19.7	12.1	390
HO 271	90 10 18	830	657	0.097	5.4	0.06	1.3	1.72	0.059	7	14.8	12.6	308
HO 272	90 10 18	1100	404	0.02	3.9	0.03	1.7	1.32	0.158	7.08	13.2	11.5	295
HO 273	90 10 18	1400	154	0.021	2.95	0.04	2.1	0.88	0.211	7.14	14.2	10.3	350
HO 274	90 10 18	1700	93.2	0.06	2.45	0.05	3	0.65	0.189	7.25	16.7	10	410
HO 274 G	90 10 18	1700	95.5	0.063	2.35	0.04	3.1	0.635	0.218	7.21	16.8	9.8	416
HO 275	90 10 18	2300	81.6	0.026	1.9	0.05	3.9	0.45	0.126	7.44	18.4	8.1	493
HO 276	90 10 19	800	64.6	0.041	1.48	0.03	4.6	0.296	0.1	7.52	20.4	6.5	555
HO 277	90 10 19	2300	34.3	0.004	1.08	0.04	5.6	0.18	0.082	7.98	22	5.3	612
HO 278	90 10 20	2300	130	0.012	1.24	0.04	5.6	0.292	0.096	7.88	23.1	4.8	654
HO 279	90 10 27	1300	38.2	0.013	0.76	0.03	3.3	0.17	0.083	7.93	26.9	4.4	681
HO 280	90 11 4	2100	207	0.092	1.52	0.05	1.9	0.42	0.022	7.89	27.6	4.7	653
HO 281	90 11 5	600	155	0.005	2.02	0.06	1.9	0.75	0.181	7.59	26.6	7	655
HO 282	90 11 5	1200	308	0.01	4.9	0.02	1.2	0.91	0.001	6.95	29.2	16	427
HO 283	90 11 5	1200	313	0.01	5.2	0.07	0.9	1	<0.001	6.86	28.6	17.9	407
HO 283 G	90 11 5	1800	254	0.03	3.9	0.02	1.5	0.89	<0.001	6.93	23.1	15.1	359
HO 284	90 11 5	2100	371	0.006	3.9	0.04	1.1	1.13	0.036	6.85	14.4	11.3	256
HO 285	90 11 5	2400	353	0.006	3.7	0.02	1.6	1.15	0.069	6.86	16.7	11.5	257
HO 286	90 11 6	300	240	0.006	3	0.03	2.7	0.83	0.115	7.05	23.6	10.7	330
HO 287	90 11 6	900	130	0.049	2.75	0.09	4.4	0.535	0.034	7.13	37.9	11.4	455
HO 288	90 11 6	1800	67.8	0.019	1.85	0.13	5	0.28	0.087	7.44	43.1	8.4	459
HO 289	90 11 15	1000	51.9	0.088	0.67	0.02	4.4	0.106	0.054	7.8	29.5	3.8	706
HO 290	90 11 28	1035	156	0.06	2.3	0.08	4.9	0.45	0.063	7.36	28.6	10.4	485
HO 291	90 11 28	1103	184	0.2	2.9	X	X	0.74	0.2	7.51	42.7	16.9	543
HO 292	90 11 28	1145	1381	0.1	6.3	X	X	2.45	0.29	7.75	36.9	24	538
HO 293	90 11 28	1210	141	0.774	3	0.1	3.8	0.58	0.345	7.59	54.7	13.1	562
HO 294	90 11 28	1340	293	0.072	2.4	0.08	3.6	0.62	0.087	8	33.4	14.7	499
HO 295	90 11 28	1540	204	0.07	2	0.09	3.3	0.485	0.103	7.98	33.7	13.1	541
HO 296 G	90 12 27	1045	67.8	0.102	0.67	0.02	4.3	0.107	0.079	8.03	29.8	3.7	657

@ samples too old for analysis
+ sample exhausted
x data withdrawn
$ results suspect
% lab instrument malfunction
NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 297 G	91 1 11	1430	58.6	0.119	1.08	0.02	2.9	0.238	0.064	7.68	23.2	3.5	609
HO 298	91 2 26	945	18.7	0.006	0.57	0.01	4.1	0.097	0.054	7.7	26.5	2.3	614
HO 299	91 3 1	1800	256	0.141	1.85	0.03	1.8	0.555	0.143	7.72	14.7	3.7	351
HO 300	91 3 2	300	1357	0.022	5.35	0.03	1.6	2.35	0.046	7.6	12.2	4.1	285
HO 301	91 3 2	600	1253	0.046	4.85	0.02	2	2.15	0.033	7.7	12.3	4.2	265
HO 302	91 3 2	900	544	0.051	2.8	0.02	2.4	1.05	0.058	7.71	14.1	4.1	293
HO 303	91 3 2	1500	250	0.065	1.85	0.02	2.9	0.52	0.054	7.69	16.1	4.4	330
HO 304	91 3 3	300	192	0.04	1.75	0.03	3.5	0.43	0.055	7.8	21.4	3	383
HO 305	91 3 4	1200	41.6	0.007	0.84	0.01	3.9	0.134	0.039	7.89	22.2	3	525
HO 305 G	91 3 4	1200	26.9	0.019	0.7	0.01	4.2	0.119	0.047	7.84	22.7	2.6	525
HO 306	91 3 6	1120	5621	0.011	10.9	0.05	1.7	4.7	0.02	7.61	10	3.4	262
HO 307	91 3 6	1320	2629	0.003	10.5	0.05	1.6	4.5	0.014	7.7	8.6	3.3	232
HO 308	91 3 6	1720	1108	0.082	5.4	0.04	2.9	2.45	0.032	7.69	11.9	3.9	279
HO 309	91 3 6	2120	985	0.003	4.1	0.04	2.6	1.59	0.027	7.66	10.6	3.6	266
HO 310	91 3 7	120	251	0.002	2.8	0.04	3.3	1.01	0.034	7.68	13	3.7	303
HO 311	91 3 7	1320	137	0.002	1.4	0.03	3.8	0.325	0.028	7.63	16	3.3	405
HO 311 G	91 3 7	1320	121	0.019	1.65	0.04	3.9	0.33	0.058	7.62	16.3	3.4	408
HO 312	91	SPECIAL SAMPLES ASSOCIATED WITH DRAIN CLEANING											
HO 313	91	SPECIAL SAMPLES ASSOCIATED WITH DRAIN CLEANING											
HO 314 G	91 3 13	1630	17.7	0.018	0.59	0.02	4	0.142	0.062	7.92	21.5	2.8	543
HO 315 G	91 4 3	930	25.7	@	0.57	@	@	0.083	@	7.71	21.4	2.8	611
HO 316	91 4 19	1500	46.2	<0.1	0.8	0.08	1.8	0.23	0.16	8.04	21.9	2.9	599
HO 317	91 4 19	2100	135	0.3	2.08	0.08	1.5	0.48	0.13	7.76	25.9	4.4	497
HO 318	91 4 20	300	64.9	0.2	1.42	0.08	1.7	0.29	0.14	7.81	24.6	4.4	535
HO 319	91 4 20	900	584	0.1	3.46	0.08	2.7	1.65	0.12	7.62	18.3	4.3	384
HO 320	91 4 20	1500	149	1	3.4	0.08	3.2	0.59	0.14	7.6	19.4	4.8	474
HO 321	91 4 20	2100	125	0.2	2.18	0.08	4.2	0.46	0.12	7.7	22	4	472
HO 322	91 4 21	300	65.4	0.1	1.44	0.08	4.4	0.28	0.11	7.81	22	3.6	500
HO 323	91 4 22	1200	24.7	<0.1	0.8	0.07	4.2	0.25	0.13	8	24.8	3	566
HO 324	91 4 27	1130	10.1	0.008	0.69	0.03	2.2	0.086	0.031	*	23.4	2.9	557

@ samples too old for analysis
+ sample exhausted
x data withdrawn
$ results suspect
% lab instrument malfunction
NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 325	91 5 14	1130	31.2	0.062	1.1	0.03	0.2	0.145	0.036	8	25.5	3.5	521
HO 326	91 5 25	1800	304	0.03	1.76	0.09	0.6	0.54	0.089	7.99	32.1	4.3	476
HO 327	91 5 25	2400	131	0.01	1.5	0.24	0.3	0.335	0.071	8.25	33.7	4.4	468
HO 328	91 5 26	600	133	0.035	2.05	0.01	0.9	0.62	0.14	8.17	30.6	4.8	443
HO 329	91 5 26	900	164	0.013	3.35	0.03	4.3	1.08	0.7	7.94	43.3	22	563
HO 330	91 5 26	1200	214	0.924	3.95	1.76	1.4	1.55	0.83	7.48	45.5	31	602
HO 331	91 5 26	1800	90	0.012	1.88	0.8	21.3	0.348	0.146	8.12	43.8	10.7	734
HO 332	91 5 28	1900	119	0.11	1.58	0.7	2.6	0.376	0.095	8.21	33.6	4.6	585
HO 333	91 6 6	1600	221	0.48	1.95	0.26	1	0.34	<.001	7.65	32.2	5.6	589
HO 334	----------No Flow In Drain----------												
HO 335	----------No Flow In Drain----------												
HO 336	----------No Flow In Drain----------												
HO 337	----------No Flow In Drain----------												
HO 338	----------No Flow In Drain----------												
HO 339	----------No Flow In Drain----------												
HO 340	----------No Flow In Drain----------												
HO 341	----------No Flow In Drain----------												
HO 342	----------No Flow In Drain----------												
HO 343	----------No Flow In Drain----------												
HO 344	----------No Flow In Drain----------												
HO 345	----------No Flow In Drain----------												
HO 346	----------No Flow In Drain----------												
HO 347	----------No Flow In Drain----------												
HO 348	----------No Flow In Drain----------												
HO 349	----------No Flow In Drain----------												
HO 350	----------No Flow In Drain----------												
HO 351	----------No Flow In Drain----------												
HO 352	----------No Flow In Drain----------												
HO 353	----------No Flow In Drain----------												
HO 354	----------No Flow In Drain----------												

@ samples too old for analysis

\+ sample exhausted

x data withdrawn

$ results suspect

% lab instrument malfunction

NA not available

Keule Creek Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 355		----------No Flow In Drain----------														
HO 356		----------No Flow In Drain----------														
HO 357		----------No Flow In Drain----------														
HO 358		----------No Flow In Drain----------														
HO 359		----------No Flow In Drain----------														
HO 360		----------No Flow In Drain----------														
HO 361		----------No Flow In Drain----------														
HO 362		----------No Flow In Drain----------														
HO 363		----------No Flow In Drain----------														
HO 364		----------No Flow In Drain----------														
HO 365		91	12	8	900	33.1	0.05	1.14	0.14	2.7	0.13	0.079	7.92	149	4.7	1036
HO 366		91	12	8	1500	132	<0.001	1.44	<0.05	21.5	0.308	0.057	7.68	82.1	3.7	827
HO 367		91	12	8	1800	75.3	0.261	2.26	0.05	22.4	0.37	0.102	7.47	72.8	10.2	818
HO 368		91	12	8	2100	48.1	0.557	3.60 @	0.1	26.9	.460 @	0.167	7.41	68.1	14.8	813
HO 369		91	12	9	300	23.8	0.027	1.22	0.14	15.6	0.224 @	0.108	7.71	33.5	7.3	479
HO 370		91	12	9	600	19.3	<0.001	1.03	0.14	17.7	0.191	0.101	7.75	33.2	6.8	481
HO 371		91	12	9	1800	16.6	<0.001	1.15	0.13	20.1	0.149	0.078	7.76	37	5.5	539
HO 372		91	12	10	1200	7.6	<0.001	0.89	<0.05	20.5	0.109	0.063	7.83	40	4.4	595
HO 373		91	12	16	1735	24.2	<0.001	@	@	@	0.078	0.023	7.93	56.4	3.6	715
HO 374	G	92	1	24	1045	3.3	0.041	0.64	0.02	14.3	0.048	0.022	7.67	36.7	3.7	590
HO 375		92	2	14	1600	2.5	0.053	0.56	0.02	8.9	0.038	0.017	8.13	39.3	3	618
HO 376		92	2	15	2000	16.9	0.48	1.44	0.04	7.9	0.176	0.094	7.76	31.2	6.9	497
HO 377		92	2	15	2400	15.7	0.488	1.56	0.04	6.3	0.196	0.108	7.61	22.7	7.4	400
HO 378		92	2	16	1200	34.5	0.194	1.28	0.03	8	0.198	0.07	7.83	20.1	4.7	372
HO 380		92	2	18	800	4.1	0.13	0.82	0.03	11	0.115	0.081	7.75	28.2	4.1	478
HO 381		92	2	19	400	112	0.16	1.8	0.03	7.3	0.375	0.064	7.52	14.7	3.6	298
HO 382		92	2	19	800	100	0.217	1.75	0.03	7.2	0.4	0.223	7.45	12.8	3.7	271
HO 383		92	2	20	1300	51	0.099	1.2	0.03	9	0.226	0.1	7.57	15.2	3.9	334
HO 384		92	2	21	1330	15.1	0.038	0.95	0.03	10.6	0.154	0.082	7.67	19.5	3.6	382
HO 384	G	92	2	21	1330	14.1	0.046	0.9	0.03	11.2	0.144	0.075	7.71	19.8	3.4	391

@ samples too old for analysis

\+ sample exhausted

x data withdrawn

$ results suspect

% lab instrument malfunction

NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 385	92 2 28	1200	7.9	0.044	0.73	0.02	11.4	0.09	0.04	7.8	22.5	3.5	440
HO 386	92 2 28	1600	9.1	0.07	0.91	0.02	10.8	0.104	0.04	7.77	21.7	3.9	427
HO 387	92 2 28	1800	53.5	0.057	1.22	0.02	10.2	0.222	0.06	7.82	20.6	3.6	389
HO 387 G	92 2 28	1800	55	0.048	1.12	0.02	9.9	0.234	0.065	7.76	20.1	3.5	382
HO 388	92 2 28	2400	19.4	0.021	0.94	0.02	10.2	0.173	0.057	7.75	19.2	3.7	396
HO 389	92 3 6	1200	13.5	0.001	0.7	0.16	12.3	0.076	0.028	7.91	24.9	3.6	444
HO 390	92 3 6	2200	388	0.025	3.3	0.21	11.6	0.91	0.048	7.62	23.3	4.2	397
HO 391	92 3 6	2400	193	0.015	2.15	0.2	11.1	0.55	0.052	7.64	22.7	4.1	386
HO 392	92 3 7	300	494	0.005	3.2	0.2	10.6	1.08	0.057	7.62	19.3	4.3	371
HO 393	92 3 7	1200	49.1	0.003	1.3	0.2	12.5	0.208	0.068	7.66	21.1	4.3	398
HO 394	92 3 7	2100	22.4	<0.001	1.03	0.2	12.8	0.14	0.058	7.61	21.7	3.9	420
HO 395	92 3 8	600	60	0.008	1.3	0.21	11.9	0.224	0.066	7.61	21.6	4.4	408
HO 396	92 3 8	1200	+	0.007	0.99	0.2	12.4	0.154	0.059	7.68	21.8	4.2	413
HO 397	92 3 10	500	13.4	0.005	0.78	0.02	11.3	0.09	0.037	7.75	24.3	3.2	450
HO 398	92 3 10	1100	64.9	0.116	1.54	0.04	12.2	0.248	0.071	7.71	25.3	5.2	443
HO 399	92 3 10	1300	164	0.049	1.78	0.05	10.3	0.49	0.049	7.68	24.5	4.1	398
HO 400	92 3 10	1700	61.2	0.035	1.4	0.04	11.3	0.264	0.049	7.56	22.9	3.9	403
HO 401	92 3 17	1300	5	0.048	0.64	0.03	9.6	0.052	0.018	7.83	24.5	4	447
HO 402	92 4 7	730	2.5	0.042	0.72	0.04	9.3	0.024	0.004	7.84	29.6	3.1	485
HO 403	92 4 16	200	<5	0.061	0.5	0.08	7.2	0.016	0.001	8.17	31.3	2.7	519
HO 404	92 4 16	1200	12.9	0.335	1.52	0.19	3.6	0.122	0.063	7.98	30.5	8.3	481
HO 405	92 4 16	1600	48.2	0.213	1.7	0.15	4	0.22	0.076	7.96	35.3	6.9	457
HO 406	92 4 16	1800	392	0.372	4.55	0.11	4.6	1.01+	0.124	7.66	27.3	7.5	379
HO 407	92 4 16	2000	2941	0.139	25 $	0.09	4.7	14.5+	0.07	7.88	10.6	4.1	260
HO 408	92 4 16	2100	3840	0.114	16 $	0.08	6.2	8.1+	0.094	7.86	10.8	4.1	265
HO 409	92 4 16	2400	2104	0.109	10.2 $	0.1	8.4	4.9+	0.123	7.81	13.3	4.4	299
HO 410	92 4 17	200	112	0.059	1.72	0.12	13.6	0.324	0.064	7.78	19.8	4.5	414
HO 411	92 4 18	600	63.7	0.018	0.85	0.1	13.3	0.111	0.034	7.78	24.1	3.3	469
HO 412	92 4 21	1200	9.8	@	@	@	@	0.062	0.036	@	28.5	3.7	521

@ samples too old for analysis
+ sample exhausted
x data withdrawn
$ results suspect
% lab instrument malfunction
NA not available

Kettle Creek Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
HO 413	92 4 21	1500	28.2	@	@	@	@	0.121	0.035	@	27.8	4.3	506
HO 414	92 4 21	1800	108	@	@	@	@	0.305	0.041	@	29.7	4	488
HO 415	92 4 21	2100	95.2	@	@	@	@	0.302	0.044	@	29.3	4.2	471
HO 416	92 6 19			no flow									
HO 417	92 6 19			no flow									
HO 418	92 6 19			no flow									
HO 419	92 6 19			no flow									
HO 420	92 6 20			no flow									
HO 421	92 6 20			no flow									
HO 422	92 7 14	1900	388	0.003	2.95	0.53	4.4	0.82	0.061	7.78	20.5	6.3	361
HO 423	92 7 14	2100	215	0.184	3.4	1	8.4	0.72	0.08	7.54	20.6	9	363
HO 424	92 7 14	2300	726	0.335	2.35	1.3	13.7	0.395	0.119	7.82	31.7	10.6	503
HO 425	92 7 15	1200	9.5	0.261	1.84	1.05	14.4	0.134	0.069	7.96	37.8	7.6	724

@ samples too old for analysis
+ sample exhausted
x data withdrawn
$ results suspect
% lab instrument malfunction
NA not available

PITTOCK TEST

Pittock Test Watershed Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 1	88 10 24	1830	1.2	0.004	0.77	0.01	2.2	0.068	0.039	8.03	158.9	7.1	1031
GO 2	88 10 25	30	1.6	0.002	0.73	0.01	1.4	0.083	0.053	8	162.4	7.43	1042
GO 3	88 10 25	200	1.4	0.006	0.75	0.01	1.3	0.085	0.061	8.02	164.5	7.18	1053
GO 4	88 10 25	630	< 5.0	0.001	0.67	0.01	1	0.094	0.073	8.03	173.7	7.28	1074
GO 5	88 10 25	1400	< 5.0	0.005	0.8	0.01	5.3	0.157	0.125	8.07	182.3	7.11	1131
GO 6	88 10 25	2130	5.1	0.004	1.62	0.03	11.2	0.445	0.26	8.1	135.4	11.73	1017
GO 7	88 10 26	300	< 5.0	0.023	1.1	0.01	12.9	0.26	0.186	8.03	137.5	9.61	1033
GO 8	88 11 5	1400	< 5.0	NA	NA	NA	NA	0.031	< 0.001	NA	120.1	6.09	1021
GO 9	88 11 5	1600	< 5.0	NA	NA	NA	NA	0.032	< 0.001	NA	129.4	6.76	995
GO 10	88 11 5	1800	8.6	NA	NA	NA	NA	0.036	0.014	NA	124.5	7.25	964
GO 11	88 12 21	1600	< 5.0	0.015	0.55	0.05	14	0.107	0.087	8.15	77.29	3.35	798
GO 12	NA NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 13	NA NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 14	NA NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 15	NA NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 16	89 2 17	1045	< 5.0	< 0.001	0.53	0.05	12.3	0.076	0.053	7.88	64.8	3	828
GO 17	89 3 10	1200	13.3	1.7	3.49	0.1	8	0.18	0.06	7.84	156	7.1	876
GO 18	89 3 10	1500	4.6	1.5	2.98	0.1	6.1	0.19	0.07	7.97	140	6.8	814
GO 19	89 3 10	1800	30.2	3	5.98	0.19	2.5	0.39	0.12	7.23	53.4	11.2	374
GO 20	89 3 10	2100	20.2	3.2	5.9	0.18	2.5	0.33	0.24	7.23	59.6	11.4	409
GO 21	89 3 11	300	11.3	2.9	5.22	0.16	3.7	0.28	0.22	7.41	84.6	10.7	525
GO 22	89 3 11	900	8.8	2.4	4.81	0.15	4.5	0.24	0.13	7.61	136	10.1	676
GO 23	89 3 11	1200	10.3	2	4.13	0.15	4.5	0.21	0.09	7.67	121	9.2	682
GO 24	89 3 11	1500	357	2.4	6.1	0.17	2	0.84	0.09	7.28	37.1	10.5	303
GO 24 G	89 3 11	1500	215	3.7	5.20	0.24	1.6	0.62	0.11	7.08	65.3	9.5	423
GO 25	89 3 11	1800	222	2.1	5.36	0.13	1.9	0.60	0.16	7.22	32.2	8.5	279
GO 26	89 3 11	2100	47.8	2.1	4.32	0.12	3.0	0.46	0.19	7.31	41.6	8.5	347
GO 27	89 3 11	2400	24.5	1.8	4.17	0.12	3.8	0.45	0.21	7.45	51.9	7.7	420
GO 28	89 3 11	300	14.2	1.5	3.32	0.11	4.9	0.35	0.17	7.61	66.4	6.8	497
GO 29	89 3 11	900	8.8	0.798	2.43	0.10	6.2	0.24	0.09	7.83	84.9	5.5	616
GO 30	89 3 11	1800	41	1.1	3.35	0.11	3.7	0.34	0.09	7.66	65.9	6.9	483
GO 31	89 3 23	1600	158	0.026	2.55	0.39	3.4	0.46	0.103	7.85	74.5	4.6	507
GO 32	89 3 23	1900	62.8	0.582	2.35	0.34	2.7	0.31	0.108	7.73	30.8	5.4	308
GO 33	89 3 24	100	13.7	0.423	1.75	0.09	6.0	0.18	0.099	7.97	48.4	4.1	474
GO 34	89 3 24	1000	<5.0	0.177	1.15	0.06	8.4	0.10	0.058	8.22	71.8	3.0	641
GO 35	89 3 24	1600	479	0.311	3.35	0.10	4.2	0.89	0.088	7.81	33.3	7.6	333

@ samples too old for analysis
* samples old, suspect
+ samples exhausted
NA not available

Pittock Test Watershed Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 36	89 3 24	1900	248	0.398	2.70	0.18	4.5	0.73	0.162	7.74	19.0	6.1	264
GO 37	89 3 25	100	44.8	0.359	1.95	0.08	6.2	0.32	0.152	7.80	24.6	4.2	325
GO 38	89 3 25	1000	76.7	0.212	1.75	0.10	7.8	0.29	0.115	7.96	34.5	3.7	422
GO 39	89 3 25	1300	352	0.155	2.90	0.25	6.0	0.90	0.179	7.72	22.8	6.4	306
GO 40	89 3 25	1600	358	0.204	3.30	0.24	5.6	0.98	0.212	7.74	17.9	6.3	292
GO 41	89 3 26	100	37.1	0.125	1.45	0.10	9.7	0.23	0.083	7.86	28.5	2.6	444
GO 42	89 3 26	1000	<5.0	0.076	1.10	0.05	11.6	0.12	0.054	8.00	37.2	2.0	522
GO 43	89 3 28	1600	<5.0	0.072	1.15	0.08	14.6	0.09	0.021	8.08	38.3	2.1	576
GO 44	89 3 28	2000	43.2	0.068	1.29	0.09	14.2	0.19	0.023	7.78	41.4	2.5	588
GO 45	89 3 28	2200	168	0.011	2.57	0.08	13.6	0.46	0.016	7.75	39.4	3.5	580
GO 46	89 3 28	2400	176	0.023	2.45	0.08	14.1	0.56	0.022	7.71	46.8	4.4	593
GO 47	89 3 29	600	82.0	0.040	1.61	0.08	14.4	0.32	0.033	7.76	47.0	3.3	589
GO 48	89 3 29	1400	44.3	0.006	1.45	0.07	15.0	0.21	0.011	7.79	42.2	2.8	586
GO 49	89 3 29	2400	18.6	0.006	1.21	0.05	15.2	0.13	0.018	7.82	45.4	2.1	615
GO 50	89 3 30	1000	<5.0	0.017	1.03	0.05	16.1	0.10	0.030	7.89	48.7	2.0	640
GO 51	89 4 28	2300	<5.0	0.023	0.49	0.09	10.0	0.011	<0.001	8.10	79.1	2.4	760
GO 52	89 4 30	1700	<5.0	0.001	0.56	0.09	10.3	0.016	<0.001	8.36	75.8	2.2	730
GO 53	89 5 5	1700	<5.0	0.018	0.74	0.10	8.7	0.037	0.001	8.26	82.4	2.4	750
GO 54	89 5 7	1100	<5.0	0.018	0.65	0.06	7.9	0.030	0.014	8.34	91.0	2.3	815
GO 55	89 5 10	1100	<5.0	0.004	0.69	0.04	6.4	0.039	0.006	8.35	89.3	2.3	803
GO 55 G	89 5 10	1100	<5.0	0.017	0.53	0.04	7.1	0.028	0.005	8.32	90.3	2.2	806
GO 56	89 5 19	955	3.8	0.005	0.93	0.06	6.0	0.050	0.003	8.13	84.5	1.9	795
GO 56 G	89 5 19	955	<5.0	<0.001	0.80	0.06	6.2	0.048	0.005	8.20	84.4	1.9	795
GO 57	89 5 20	1500	5.7	0.009	0.80	0.05	5.5	0.043	0.002	8.24	83.6	1.8	816
GO 58	89 5 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 59	89 5 26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 60	89 5 26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 61	89 5 26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 62	89 5 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GO 63	89 6 17	1300	<5.0	0.1	0.70	0.13	13.0	0.13	<0.01	8.12	86.5	2.1	896
GO 64	89 6 17	1600	4.2	0.1	0.91	0.12	13.3	0.13	<0.01	8.14	85.0	2.1	879
GO 65	89 6 17	2200	<5.0	0.1	0.73	0.14	10.4	0.13	0.01	7.97	90.5	2.4	874
GO 66	89 6 18	100	<5.0	0.1	0.72	0.17	9.6	0.15	<0.01	7.96	94.3	2.6	879
GO 67	89 6 18	400	8.8	0.1	0.89	0.17	9.4	0.21	0.01	7.93	80.6	3.6	753
GO 68	89 6 18	700	23.0	0.1	1.07	0.12	11.2	0.30	0.04	7.92	83.1	5.0	715
GO 69	89 6 18	1300	4.9	0.1	0.97	0.12	14.9	0.21	0.04	8.06	84.3	5.3	803

@ samples too old for analysis
* samples old, suspect
+ samples exhausted
NA not available

Pittock Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 70		89	6	21	1700	4.0	<0.1	0.83	0.14	10.6	0.16	0.06	8.05	122	2.9	969
GO 71		89	6	21	2300	3.4	<0.1	0.67	0.18	10.4	0.17	0.05	8.02	120	2.9	963
GO 72		89	6	22	200	113	<0.1	1.45	0.08	5.0	0.43	0.03	7.82	45.2	3.6	464
GO 73		89	6	22	500	46.5	<0.1	2.01	0.08	16.5	0.49	0.08	7.81	55.7	6.2	662
GO 74		89	6	22	800	16.6	<0.1	1.34	0.08	17.6	0.25	0.08	7.88	70.7	4.3	796
GO 75		89	6	22	1400	6.0	<0.1	1.07	0.08	17.1	0.17	0.04	7.99	84.1	3.3	867
GO 76		89	6	29	1345	36.7	<0.1	0.92	0.14	17.7	0.16	0.09	8.13	91.6	2.2	918
GO 76	G	89	6	29	1345	4.7	<0.1	0.83	0.14	17.9	0.15	0.14	8.04	94.5	2.2	923
GO 77		89	7	12	1315	2.9	<0.1	0.96	0.35	48.2	0.10	0.04	8.13	31.5	0.9	922
GO 77	G	89	7	12	1315	5.7	<0.1	0.78	0.27	49.7	0.11	0.10	7.94	31.3	0.9	929
GO 78		89	7	19	1700	10.4	<0.1	1.31	0.21	48.0	0.11	<0.01	7.37	28.2	1.0	883
GO 79		89	7	19	1900	16.0	0.2	1.87	0.12	25.9	0.32	0.03	7.37	38.4	7.8	655
GO 80		89	7	19	2100	27.0	0.2	2.17	0.22	25.8	0.29	0.02	7.49	36.8	7.4	684
GO 81		89	7	19	2300	11.7	0.2	2.05	0.29	23.4	0.22	0.01	7.56	37.5	6.8	707
GO 82		89	7	20	100	9.6	0.4	1.88	0.22	9.7	0.63	0.12	7.54	69.1	12.4	763
GO 83		89	7	20	300	9.0	0.2	1.79	0.18	7.9	0.60	0.13	7.61	95.1	11.3	798
GO 84		89	7	27	1330	25.2	<0.1	1.06	0.38	48.8	0.10	<0.01	7.95	27.2	0.6	911
GO 85		89	7	27	1430	245	0.1	1.19	0.28	42.3	0.41	<0.01	7.88	25.8	1.1	853
GO 86		89	7	27	1930	4.8	0.1	1.41	0.19	32.2	0.12	<0.01	7.80	29.1	3.7	746
GO 87		89	7	27	2030	9.0	0.1	1.76	0.12	6.7	0.42	0.11	7.82	75.1	9.1	742
GO 88		89	7	28	530	4.0	<0.1	1.23	0.07	6.6	0.29	0.10	7.95	159	6.2	1025
GO 89		89	7	28	930	2.9	<0.1	1.19	0.07	9.0	0.25	0.07	7.98	148	5.0	977
GO 90		89	10	21	600	16.9	<0.1	2.31	1.67	24.8	0.13	0.03	7.95	43.8	14.5	825
GO 91		89	10	21	1200	3.2	<0.1	1.64	0.95	25.4	0.08	0.03	7.88	42.6	12.5	827
GO 92		89	10	21	1800	3.8	<0.1	2.07	0.73	25	0.07	0.02	7.88	43.3	11.5	803
GO 93		89	10	7	1030	6	<0.1	1.72	0.48	27.1	0.06	0.02	7.96	38.4	14.8	794
GO 93	G	89	11	7	1030	16.8	<0.1	2.08	0.38	25.2	0.1	0.06	7.68	36.8	13.5	795
GO 94		89	11	7	1430	5.4	<0.1	1.83	0.2	22.3	0.1	0.01	7.81	37.8	12.6	679
GO 94	G	89	11	7	1430	10.1	<0.1	2.14	0.1	20.6	0.16	0.05	7.63	37.7	12.8	665
GO 95		89	11	7	1630	5.3	<0.1	1.65	0.1	20	0.1	0.01	7.82	38.8	11.5	665
GO 96		89	11	7	2030	4.3	<0.1	1.47	0.1	20.1	0.08	<0.01	7.84	40.6	10.3	686
GO 97		89	11	7	2230	5.5	<0.1	1.47	0.04	9.5	0.35	0.21	7.85	120	20	864
GO 98		89	11	8	0030	12.7	<0.1	2.5	0.02	4.4	0.74	0.47	7.83	190	22	967
GO 99		89	11	8	0430	15.2	<0.1	3.14	0.02	5.8	1.03	0.55	7.81	199	21	199
GO 100		89	11	8	1030	12.3	<0.1	3.09	0.02	7	0.95	0.54	7.87	169	20	169
GO 101		89	11	8	1430	8.1	<0.1	2.73	0.02	7.7	0.81	0.46	7.92	175	19.8	175

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NA not available

Pittock Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 102		89	11	8	2230	7.7	<0.1	2.18	0.02	9.2	0.59	0.37	7.92	162	18.5	162
GO 103		89	11	9	0030	6.7	<0.1	2.09	0.03	9	0.58	0.39	7.9	157	18.1	157
GO 104		89	11	9	0230	11.32	<0.1	2.02	0.03	9.3	0.51	0.3	7.86	150	17.5	150
GO 105		89	11	9	0630	9.7	<0.1	2.01	0.03	9.1	0.47	0.28	7.88	152	16.7	152
GO 106		89	11	15	0720	4.1	<0.1	0.93	0.11	16.2	0.12	<0.01	7.93	85.7	7.3	876
GO 107		89	11	15	0920	4	<0.1	0.84	0.04	4.3	0.17	0.01	7.96	146	10.6	1029
GO 107	G	89	11	15	0920	4.1	<0.1	1.31	0.04	3.7	0.23	0.18	7.62	148	12.4	1042
GO 108		89	11	15	1000	6.4	<0.1	0.72	0.03	1.3	0.21	0.19	8	173	12.3	1069
GO 108	G	89	11	15	1000	6.2	<0.1	0.74	0.03	1.1	0.22	0.2	7.66	164	12.3	1083
GO 109		89	11	15	1200	5.7	<0.1	0.68	0.02	1.2	0.25	0.23	8.03	212	12.8	1190
GO 109	G	89	11	15	1200	5.7	<0.1	0.69	0.02	1.1	0.27	0.23	7.75	211	13.1	1196
GO 110		89	11	15	1400	18.4	<0.1	2.05	0.06	5.2	1.02	0.81	7.96	186	19.4	1118
GO 110	G	89	11	15	1408	18.4	0.3	2.16	0.06	5.6	1.06	NA	7.67	178	19.9	1112
GO 111		89	11	15	1600	40.5	<0.1	2	0.06	6.3	0.9	0.61	7.93	118	14.7	865
GO 111	G	89	11	15	1600	42.4	<0.1	1.93	0.06	6	0.91	0.63	7.7	114	15.2	866
GO 112		89	11	15	1800	45.3	<0.1	1.63	0.05	6.7	0.65	0.44	7.97	105	12	796
GO 113		89	11	15	2000	129	0.2	2.51	0.06	8.5	0.8	0.35	7.85	104	11.6	774
GO 114		89	11	15	2200	84.7	0.1	1.68	0.05	11.7	0.63	0.29	7.86	80.2	7.6	684
GO 115		89	11	16	0400	19.3	0.1	1.04	0.06	15.9	0.36	0.26	7.98	95.3	7	820
GO 116		89	11	20	0830	5.4	<0.1	0.82	0.08	13.8	0.15	0.07	8.11	128	5.5	1014
GO 117		89	11	20	1230	2.5	<0.1	0.66	0.06	13.4	0.14	0.07	8.19	140	5.3	1039
GO 118		89	11	20	1630	3.1	<0.1	0.73	0.07	12.8	0.16	0.12	8.16	171	6	1127
GO 119		89	11	20	1830	4.7	<0.1	0.79	0.07	12.6	0.15	0.11	8.16	173	5.8	1155
GO 120		89	11	20	2230	6.7	<0.1	0.84	0.07	12.9	0.18	0.16	8.14	155	5.3	1044
GO 121		89	11	27	2400	5.1	<0.1	0.67	0.02	0.4	0.17	0.01	8.12	150	5.1	992
GO 122		89	11	28	0200	5.4	<0.1	0.68	0.02	6.9	0.16	0.04	8.14	134	4.8	989
GO 123		89	11	28	0400	44.2	<0.1	1.57	0.05	8.3	0.47	0.15	8	142	6.4	907
GO 124		89	11	28	0800	14.6	<0.1	0.9	0.05	15.6	0.27	0.09	8.08	96.4	5.2	830
GO 124	G	89	11	28	0800	15.2	<0.1	0.91	0.05	15.7	0.3	0.08	7.9	93.3	5.4	837
GO 125		89	11	28	1200	5.5	<0.1	0.86	0.05	17.7	0.2	0.04	8.14	96.6	4.4	862
GO 126	G	89	12	11	0940	1.7	<0.1	0.5	0.01	14.2	0.08	0.03	8.04	135	3.5	1040
GO 126	G	89	12	13	0830	3	<0.1	0.49	<0.01	15.8	0.03	0.03	7.97	104	3.2	1006
GO 127	G	90	1	15	0935	2.3	<0.1	0.39	0.04	12.5	0.1	0.08	7.96	130	2.4	1031
GO 128		90	1	17	0830	11.3	<0.1	1.35	0.05	9.4	0.17	0.15	7.85	167	2.8	1098
GO 128	G	90	1	17	0830	2.7	<0.1	0.85	0.05	9.6	0.12	0.05	7.87	181	2.9	1091
GO 129		90	1	17	1430	53.4	0.1	1.61	0.03	10.9	0.28	0.06	7.58	80.2	3	579

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Pittock Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 129	G	90	1	17	1500	46.8	0.1	1.61	0.03	11.2	0.29	0.06	7.48	63	2.6	546
GO 130		90	1	17	1630	44	0.1	1.57	0.03	11.4	0.25	0.19	7.56	56.9	2.5	497
GO 130	G	90	1	17	1630	56.2	0.1	1.73	0.03	11.5	0.32	0.06	7.48	54.4	2.6	497
GO 131		90	1	17	1830	50.5	0.1	1.64	0.03	9.4	0.29	0.07	7.46	38.2	2.4	403
GO 132		90	1	17	2030	73.7	0.1	1.78	0.03	8.8	0.32	0.06	7.48	32.7	2.5	378
GO 133		90	1	17	2230	174	0.1	2.26	0.03	7.6	0.45	0.05	7.48	28.7	2.7	335
GO 134		90	1	18	0030	57.3	0.2	2.01	0.02	7.9	0.3	0.06	7.44	27.2	2.9	341
GO 135		90	1	18	0230	106	0.2	2.09	0.02	7.2	0.38	0.07	7.48	25.6	3	323
GO 136		90	1	18	0430	58.9	0.2	1.82	0.02	9.2	0.28	0.06	7.46	30.2	2.8	385
GO 137	G	90	2	9	1100	34.4	0.2	1.5	0.03	8.6	0.32	0.05	7.48	42.7	2.8	455
GO 138	G	90	2	12	0900	1.5	0.2	0.66	0.03	15.7	0.07	0.02	7.9	65.6	1.8	716
GO 139		90	2	22	1000	66.4	2.5	4.26	0.19	10.2	0.3	0.14	7.55	78.6	3.4	739
GO 140		90	2	22	1400	126	1.4	3.44	0.01	6.8	0.53	0.23	7.42	35.2	2.8	396
GO 141		90	2	22	1800	101	1.3	2.95	<0.01	4.9	0.51	0.23	7.34	19.4	2.6	281
GO 142		90	2	22	2000	2.4	1.1	3.89	<0.01	4.1	0.73	0.19	7.38	15.8	3	258
GO 143		90	2	22	2200	153	1.4	2.96	<0.01	4.5	0.56	0.25	7.4	15.4	2.6	263
GO 144		90	2	23	0200	52.8	1.2	2.44	<0.01	5.6	0.44	0.27	7.35	19	2.4	291
GO 145		90	2	23	0800	26.5	0.6	1.94	0.01	7.7	0.41	0.17	7.44	28.5	2.3	371
GO 146		90	3	9	1600	115	1.5	4.18	0.12	2.4	1.37	0.7	7.05	39.2	4.8	316
GO 147	G	90	3	9	1600	153	1.5	4.33	0.11	2.4	1.46	0.71	7.09	38.2	4.9	312
GO 148		90	3	9	2200	31.9	1.5	3.32	0.12	3.5	1.24	0.72	7.27	37.2	3.7	348
GO 149		90	3	10	1000	29.3	1.2	2.88	0.11	3.3	0.75	0.54	7.36	28.9	3.7	309
GO 150		90	3	10	1600	32.8	1.1	2.74	0.09	3.1	0.79	0.58	7.35	23.5	3.6	281
GO 151		90	3	11	0100	12.3	1.1	2.5	0.1	4.3	0.74	0.54	7.46	30.7	3.2	350
GO 152		90	3	11	1300	102	0.9	2.7	0.09	2.4	1.07	0.37	7.51	15.8	3.4	283
GO 153		90	3	11	1600	331	0.8	4.18	0.08	3.7	1.5	0.4	7.42	22.3	3.8	237
GO 154		90	3	11	1900	125	1	3.64	0.09	3.7	1.23	0.69	7.4	22.6	3.5	294
GO 155		90	3	12	0100	40.7	0.6	2.28	0.11	5.5	0.68	0.38	7.53	33	2.4	390
GO 156		90	4	10	800	8.2	<0.1	0.78	0.05	11.8	0.05	0.04	7.86	71.2	1.6	773
GO 157		90	4	10	1400	3.9	<0.1	0.57	0.05	10.8	0.03	0.01	8.27	73.9	1.8	736
GO 157	G	90	4	10	1410	3.3	<0.1	0.53	0.05	11.1	0.02	<0.01	8.3	76.4	1.8	735
GO 158		90	4	10	1800	8.3	<0.1	0.52	0.08	9.1	0.04	0.02	8.05	111	3.4	828
GO 159		90	4	11	600	4.7	<0.1	0.54	0.05	12.5	0.03	0.01	7.95	93.7	2	822
GO 160		90	4	11	1200	2.7	<0.1	0.61	0.04	13.2	0.05	<0.01	8.17	79.6	1.7	782
GO 160	G	90	4	11	1200	3.2	<0.1	1.25	0.05	13.1	0.09	0.01	8.17	75.7	1.7	782
GO 161		90	4	20	1500	1.2	0.1	0.56	0.04	11.9	0.03	<0.01	8.04	77.5	1.8	753

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Pittock Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 162		90	4	20	1900	2.5	0.1	0.57	0.04	11.5	0.02	0.01	7.88	75.4	1.7	769
GO 163		90	4	21	1100	2.2	0.1	0.49	0.04	11	0.02	<0.01	8.07	98.4	1.9	821
GO 164		90	4	22	700	1.5	0.1	0.51	0.04	12.6	<0.01	<0.01	7.83	75.2	1.6	798
GO 165		90	5	4	1330	4.2	<0.1	0.76	0.09	10.2	0.02	<0.01	8.31	81.5	1.5	782
GO 166		90	5	4	2130	3.9	<0.1	0.82	0.08	8.7	0.02	<0.01	8.09	85.7	1.7	789
GO 167		90	5	5	530	4	<0.1	0.85	0.06	5.2	0.03	<0.01	8.11	13.6	1.2	795
GO 168		90	5	5	1530	1.8	<0.1	1.28	0.15	9.6	0.03	<0.01	8.4	100	4.9	769
GO 169		90	5	13	400	5.7	<0.1	0.87	0.1	6.3	0.04	<0.01	7.9	83.2	1.9	745
GO 170		90	5	13	800	5.5	<0.1	0.8	0.08	3.5	0.06	<0.01	7.95	81.1	1.8	713
GO 170	G	90	5	13	800	6.6	<0.1	0.85	0.08	3.7	0.07	<0.01	7.93	81.7	1.8	718
GO 171		90	5	13	1000	9.5	0.3	1.29	0.11	4.4	0.25	0.08	7.88	132	3	778
GO 171	G	90	5	13	1000	8.2	0.2	1.28	0.1	4.2	0.22	0.06	7.98	112	2.8	776
GO 172		90	5	13	1400	9.5	0.2	2.51	0.11	5.8	0.54	0.24	7.96	170	9.8	1005
GO 172	G	90	5	13	1400	7.9	0.2	2.46	0.11	5.7	0.56	0.21	7.93	167	9.8	1014
GO 173		90	5	14	400	3.1	<0.1	0.65	0.08	7.5	0.08	0.04	7.98	115	2.4	890
GO 174		90	5	16	700	6	0.072	0.88	0.13	6.8	0.074	0.048	8.05	89.6	2	804
GO 175		90	5	16	100	10.5	0.424	1.44	0.19	6	0.262	0.126	7.98	262	5.4	820
GO 176		90	5	16	1300	43.3	0.928	3	0.17	7.8	0.735	0.24	7.68	124	8.3	897
GO 176	G	90	5	16	1300	58	1.2	2.8	0.18	8.1	0.85	0.34	7.52	120	8.6	903
GO 177		90	5	16	2100	8.2	0.035	0.67	0.09	14.5	0.119	0.071	7.99	84.1	2.2	823
GO 178		90	5	17	700	5.8	0.013	0.53	0.28	14.4	0.075	0.035	7.98	93.5	2	853
GO 179		90	5	17	900	361	0.174	3.55	0.12	13.2	0.75	0.164	7.74	71.3	2.6	742
GO 180		90	5	17	1300	54.1	0.032	1.42	0.15	19.5	0.338	0.115	7.78	59.3	3	729
GO 181		90	5	17	1900	16.3	0.029	0.98	0.1	21	0.13	0.049	7.8	59.5	2.2	746
GO 182	G	90	5	18	1124	3.5	<0.001	10.8	0.09	21.7	0.068	0.034	7.92	59.1	1.9	755
GO 183		90	5	19	600	3.3	0.019	0.9	0.04	19.1	0.05	0.029	8.21	56.3	1.9	752
GO 184		90	5	19	2100	4	0.005	0.84	0.05	18.7	0.05	0.025	8.11	57.3	2.1	756
GO 185		90	5	20	900	7.1	0.087	0.88	0.05	16.8	0.134	0.065	8.13	66.3	2.7	775
GO 186		90	5	20	2100	11.2	0.038	0.76	0.04	18.2	0.098	0.052	8.05	56.9	2.1	749
GO 187		90	5	21	900	5.1	<0.001	0.78	0.03	18.6	0.042	0.02	8.09	53.3	1.8	751
GO 188	G	90	5	28	1030	1.7	@	@	@	@	0.062	0.05	@	13.4	1.2	624
GO 189	G	90	5	30	915	3.9	@	@	@	@	0.04	0.028	@	66.3	1.6	788
GO 190	@	90	6	19	1000	4.4	0.015	0.9	0.16	16.4	+	0.077	8.34	74.5	1.8	869
GO 191	G @	90	6	21	1030	2.4	0.021	0.16	0.16	16.3	+	0.077	8.32	68.4	1.9	827
GO 192		90	6	22	1700	6.3	0.047	1.46	0.14	22.5	0.048	0.005	8.18	59.9	1.6	820
GO 193		90	6	22	2300	3.1	0.103	1.3	0.14	6.7	0.106	0.043	8.24	75.5	2.6	782

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Pittock Test Watershed — Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 194		90	6	23	1900	4.2	0.093	1.2	0.16	6	0.136	0.092	8.19	89.3	2.7	797
GO 194	G	90	6	23	1800	2.4	0.085	1.24	0.16	5.7	0.148	0.08	8.07	86.6	2.7	774
GO 195		90	6	24	1300	3.1	0.041	1.62	0.21	13.7	0.228	0.142	8.28	99.1	5.5	933
GO 196	G	90	7	9	920	13.9	0.047	1.18	0.12	30.4	0.184	0.127	7.95	36.8	3.1	722
GO 197	G	90	7	9	1320	9.4	0.016	0.89	0.08	28.9	0.135	0.108	7.84	37.2	2.5	740
GO 198	G	90	7	10	630	3	0.006	0.58	0.08	24.8	0.085	0.075	7.97	42.2	2	752
GO 199	G	90	7	11	640	6.7	0.006	0.45	0.09	23.8	0.073	0.068	8.01	51.3	1.7	825
GO 200		90	7	30	1230	11.7	0.032	1.16	0.08	12.6	0.098	0.068	7.74	95.3	2.9	856
GO 200	G	90	7	30	1230	11.5	0.068	0.9	0.08	13.2	0.078	0.059	7.9	87.8	2.8	873
GO 201		90	7	30	1430	11.3	0.038	1	0.06	4.9	0.155	0.089	7.72	93.5	3.6	779
GO 201	G	90	7	30	1430	11.3	0.063	0.7	0.05	5.2	0.145	0.096	7.67	94	3.8	780
GO 202		90	7	30	1630	69.8	0.112	1.85	0.1	7.2	0.55	0.19	7.55	66.5	5.4	617
GO 202	G	90	7	30	1634	35.9	0.174	1.55	0.1	7.4	0.545	0.189	7.48	66.2	5.8	618
GO 203		90	7	30	2030	17.5	0.13	2	0.09	13.7	0.53	0.189	7.78	74.3	7.4	826
GO 204		90	7	31	0030	15	0.031	1.18	0.06	15.2	0.254	0.162	7.95	86.2	4.2	919
GO 205		90	7	31	630	5.6	0.028	0.92	0.05	15.7	0.146	0.101	8.02	99.3	3.6	969
GO 206		90	7	31	1030	7.5	0.012	0.88	0.04	15.7	0.124	0.03	8.15	100	3.5	986
GO 206	G	90	7	31	1030	4.4	0.005	0.82	0.04	16	0.126	0.107	8.05	97.3	3.3	989
GO 207		90	8	12	1200	7.2	<0.001	0.48	0.09	27.7	0.026	0.003	8.14	73.6	1.3	909
GO 208		90	8	12	1800	8.3	0.01	1.14	0.08	8.5	0.09	0.027	7.92	78.9	3.9	797
GO 209		90	8	12	2400	9.7	<0.001	1.08	0.05	5.8	0.13	0.065	7.99	164	4.8	1019
GO 210		90	8	13	600	9.4	0.242	2.3	0.13	5.4	0.39	0.12	7.88	119	8.9	844
GO 211		90	8	13	900	34.1	1.1	5.9	0.16	4.5	1.51	0.67	7.76	122	18.6	907
GO 211	G	90	8	13	900	18.8	1.1	6	0.17	4.7	1.59	0.74	7.56	117	18.8	908
GO 212		90	8	13	2100	7.5	0.058	1.32	0.1	11.1	0.378	0.24	8.05	135	7.8	1064
GO 213		90	9	6	0030	3.7	0.001	0.6	0.04	12.7	0.145	0.068	8.05	112	3.3	981
GO 213	G	90	9	6	0030	1.5	0.001	0.51	0.04	12.9	0.149	0.147	8.03	100	3.2	985
GO 214		90	9	14	1400	25	0.045	1.3	0.06	14.7	0.176	0.053	8.1	185	2.8	989
GO 215		90	9	14	1800	9.8	0.037	1.14	0.06	5.1	0.232	0.149	8.07	93.8	6.3	782
GO 216		90	9	14	2000	40.6	0.115	1.6	0.09	4.4	0.57	0.372	7.89	72	7.7	629
GO 217		90	9	14	2400	32.7	0.109	1.85	0.11	11	0.5	0.339	8.01	59.7	6.8	774
GO 218		90	9	15	200	20.9	0.077	1.65	0.1	12.3	0.415	0.273	7.99	53.8	5.7	778
GO 219		90	9	15	600	27.8	0.015	0.94	0.04	14.4	0.186	0.129	8.08	67.7	3.4	886
GO 220		90	9	15	1800	45.5	<0.001	0.53	0.05	14.5	0.103	0.071	8.23	71.9	2.7	921
GO 221		90	10	3	2400	45.1	<0.001	0.45	0.01	17.5	0.04	0.002	8.08	52.9	1.8	911
GO 222		90	10	4	600	53.1	<0.001	0.5	0.02	16.4	0.067	<0.001	8.09	68	2.5	920

@ samples too old for analysis
• samples old, suspect
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NA not available

Pittock Test Watershed Water Quality Data

Sample #		Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 223		90 10 4	800	66.3	0.012	0.94	0.03	15	0.138	0.008	8.05	57.8	3.4	862
GO 223	G	90 10 4	800	39.6	<0.001	0.84	0.03	14.1	0.12	<0.001	8.03	58.3	3.9	864
GO 224		90 10 4	1000	57.3	0.028	1.75	0.02	13.9	0.385	0.195	7.8	46.4	4.5	799
GO 224	G	90 10 4	1000	36.4	0.025	7.95	0.02	18	0.405	0.16	7.8	47.8	4.6	796
GO 225		90 10 4	1400	59.9	0.008	0.94	0.01	18.2	0.098	0.013	7.9	46.1	2.4	868
GO 225	G	90 10 4	1400	52.2	0.035	0.62	0.01	18.7	0.114	<0.001	7.7	47.4	2.5	874
GO 226		90 10 4	1800	46.1	<0.001	0.58	0.01	18.7	0.06	<0.001	7.91	47.3	2	889
GO 226	G	90 10 4	1810	37.9	0.002	0.42	0.01	19.4	0.06	<0.001	7.84	47.7	2.1	891
GO 227	A	90 10 5	800	24.5	0.001	0.46	0.02	19.6	0.031	<0.001	7.93	49.8	2.1	913
GO 227	B	90 10 9	300	56.6	0.005	0.54	0.02	17.9	0.07	0.005	8.17	55	2.1	896
GO 228		90 10 9	600	62.8	0.031	1.78	0.01	17.2	0.24	0.152	7.66	37.9	3	794
GO 229		90 10 9	900	57.4	0.019	1.28	0.02	15.4	0.218	0.047	7.87	48.4	2.9	818
GO 229	G	90 10 9	900	121	0.012	1.36	0.01	17.5	0.226	0.124	8.06	39.4	3.2	787
GO 230		90 10 9	1800	39.8	0.014	0.68	0.01	18.8	0.086	0.011	7.77	41.6	2.4	851
GO 231		90 10 10	600	14.6	0.057	0.66	0.02	18.6	0.091	0.044	7.88	41.8	2.4	856
GO 232		90 10 10	2400	9	0.065	0.64	0.02	18.7	0.071	0.004	7.89	44.3	2.4	869
GO 233		90 10 11	600	14.6	0.066	0.73	0.02	17.7	0.104	0.005	7.81	40.5	2.5	851
GO 234		90 10 11	900	2.15	0.007	0.63	0.02	18.7	0.067	0.003	7.88	41.3	2.3	865
GO 234	G	90 10 11	900	51.2	0.038	0.61	0.01	19.2	0.067	0.032	7.92	42.1	2.2	870
GO 235		90 10 12	300	8.3	0.017	0.53	0.02	18.9	0.044	0.003	7.88	44.2	2	889
GO 236		90 10 18	300	60.4	0.011	0.63	0.16	19.7	0.068	0.077	8.17	45.3	2.4	889
GO 237		90 10 18	900	115	0.044	2.3	0.05	14.9	0.44	0.088	7.65	34.2	4.1	737
GO 237		90 10 18	850	128	0.002	2.6	0.05	16.7	0.415	0.089	7.53	33.8	3.9	764
GO 238	G	90 10 18	1800	38.9	<0.001	0.85	0.04	19.3	0.112	0.033	7.8	36.4	2.9	829
GO 238		90 10 18	1754	54.1	0.011	0.7	0.04	20.4	0.102	0.004	7.47	35.8	2.8	846
GO 239		90 10 19	300	91.8	NA	0.83	0.04	19	0.099	0.01	8	38	2.7	833
GO 240		90 11 5	800	27.1	0.004	1.08	0.13	14.3	0.153	0.023	7.47	56	3.3	862
GO 241		90 11 5	1200	64.5	<0.001	1.92	0.07	11.8	0.284	0.048	7.72	47.3	4.7	750
GO 242		90 11 5	1400	160	0.002	2.85	0.09	13	0.595	0.077	7.46	31.5	5.1	673
GO 242	G	90 11 5	1400	145	<0.001	2.42	0.01	12.3	0.52	0.09	7.52	30.8	5.2	666
GO 243		90 11 5	1800	90.6	<0.001	1.48	<0.01	16.8	0.302	0.052	7.64	28.5	3.3	694
GO 244		90 11 5	2200	202	<0.001	2.55	0.01	14.7	0.595	0.096	7.41	19.3	4.8	543
GO 245		90 11 6	400	73	<0.001	1.6	0.01	12.4	0.374	0.138	7.45	20.5	5.8	533
GO 246		90 11 6	1000	30.8	<0.001	1.16	<0.01	15.8	0.188	0.076	7.55	24.7	4.1	633
GO 246	G	90 11 6	1000	24.5	<0.001	1.14	<0.01	17.7	0.174	0.076	7.46	24.7	3.9	658
GO 247		90 11 27	300	38.7	<0.001	0.51	0.04	15.9	0.044	0.015	8.13	42.1	1.8	860

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Pittock Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 248		90	11	27	900	23.9	0.094	0.97	0.06	14.2	0.235	0.009	8	42.9	3.3	824
GO 249		90	11	27	2400	21.8	0.003	0.54	0.04	15.5	0.069	0.001	8.15	39.8	2	841
GO 250		90	11	28	900	67.3	<0.001	1.1	0.04	15	0.214	0.03	7.91	39	2.5	799
GO 251		90	11	28	1800	19.7	<0.001	0.66	0.04	15.7	0.087	0.04	7.96	36.7	2.2	816
GO 252	G	91	1	21	1540	19.5	<0.001	0.45	0.03	9.7	0.04	0.005	8.26	109	1.8	962
GO 253	G	91	1	24	900	11.7	0.014	0.4	0.03	11.5	0.068	0.042	8.13	65.4	1.4	844
GO 254	G	91	2	18	1550	17.2	0.004	0.45	0.02	10.2	0.062	0.007	8.06	58.1	1.6	721
GO 255	G	91	2	22	833	12	0.09	0.75	0.02	9.2	0.137	0.07	8.29	51.1	2	625
GO 256		91	3	1	1200	8.5	0.081	0.49	0.03	9.8	0.044	0.036	8.28	58.8	1.9	753
GO 257		91	3	1	2000	17.1	0.221	1.12	0.02	6.5	0.183	0.09	7.98	47.6	2.6	554
GO 258		91	3	2	400	169	0.353	2.32	0.02	5.6	0.58	0.183	7.75	38.9	3.4	457
GO 259		91	3	2	1600	111	0.12	1.5	0.02	7	0.378	0.093	7.79	32.2	2.3	475
GO 260		91	3	3	400	55.3	0.058	0.94	0.02	9.9	0.15	0.069	7.83	33.6	2.1	551
GO 261		91	3	3	2000	17.6	0.07	0.96	0.02	10.6	0.115	0.064	7.9	39.6	2	627
GO 262		91	3	27	1930	1849	0.1	15	0.03	6.8	3.7	0.2	7.59	19.6	3.6	388
GO 263		91	3	27	2230	301	0.1	2.55	0.05	7.8	0.91	0.11	7.66	23	3.3	431
GO 264		91	3	28	130	1477	0.1	11.8	0.05	5	4.3	0.13	7.45	17.9	3.4	358
GO 265		91	3	28	430	850	0.1	6.41	0.04	6	<2	0.12	7.56	20.7	3.1	372
GO 266		91	3	28	1000	300	0.1	3.03	0.04	7.4	0.99	0.1	7.64	23.7	2.7	461
GO 267		91	3	28	1900	109	0.1	1.45	0.03	9.5	0.47	0.09	7.79	32	2.6	556
GO 268		91	3	29	1600	53.9	0.1	1.13	0.02	10	0.32	0.08	7.9	37.5	1.9	629
GO 269		91	4	8	1300	92.1	<0.1	1.48	0.02	7.5	0.38	0.03	8.05	78.4	3.2	753
GO 270		91	4	9	700	10.4	<0.1	0.66	<0.01	9.8	0.08	<0.01	8.18	56.1	1.9	748
GO 271		91	4	9	1600	1381	<0.1	8.85	<0.01	7.8	3.2	0.01	7.78	39.5	2.2	587
GO 272		91	4	9	1900	343	<0.1	3.14	<0.01	8.6	1.06	0.01	7.75	36.3	2.6	572
GO 273		91	4	9	2200	526	<0.1	5.2	<0.01	8.8	1.6	<0.01	7.74	32.9	2.4	554
GO 274		91	4	10	700	86.6	<0.1	1.45	<0.01	10.2	0.36	<0.01	7.79	35.5	2.3	626
GO 275		91	4	10	1900	66.5	<0.1	1.23	<0.01	10.4	0.27	<0.01	8.01	36.4	2.1	651
GO 276		91	5	16	2200	5.2	0.101	0.99	0.31	6.9	0.047	<0.001	8.31	68.3	2	709
GO 277		91	5	17	400	17.1	0.041	0.87	0.37	5.8	0.04	<0.001	8.19	63	2.3	722
GO 278		91	5	17	1000	4.1	0.026	0.72	0.22	5.5	0.037	<0.001	8.37	57.1	2.3	680
GO 279		91	5	17	1800	4.2	0.041	1.15	0.2	5.8	0.086	<0.001	8.37	90.8	3.4	822
GO 280		91	5	18	600	15.7	0.12	1.05	0.16	6.7	0.08	0.028	8.26	86.8	3.2	856
GO 281		91	5	24	1800	10.8	0.04	0.95	0.29	6.6	0.15	0.053	8.31	76.2	2.1	792
GO 282		91	5	24	2400	17.9	0.25	1.12	0.33	3.9	0.215	0.134	8.08	65.8	2.3	687
GO 283		91	5	25	1200	32.3	0.102	1.44	0.32	9.4	0.28	0.087	8.38	73.8	2.9	761

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Pittock Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 284		91	5	25	2000	359	0.434	4.1	0.21	16.4	1.3	0.192	7.76	58.9	4.8	642
GO 285		91	5	26	600	48.1	0.16	1.43	0.13	12.4	0.39	0.161	7.97	62.3	3.8	737
GO 286		91	5	26	1000	63.6	0.134	1.78	0.11	19.5	0.38	0.159	7.85	55.9	3.9	762
GO 287		91	5	26	2400	11.8	0.021	0.56	0.05	15.1	0.085	0.059	8.07	47.3	1.7	757
GO 288		91	6	11	800	11.6	0.056	0.85	0.12	7.4	0.097	0.031	7.91	68.8	1.9	751
GO 289		91	6	11	1200	5	0.004	0.85	0.13	5.4	0.136	0.066	8.08	75.6	2.3	756
GO 290		91	6	11	2000	4.8	0.004	0.72	0.11	7	0.12	0.067	8.08	64.6	2	712
GO 291		91	7	5	130	4.93	0.145	1.1	0.17	16.5	0.143	<0.001	7.97	18	2.7	587
GO 292		91	7	5	330	8.1	0.15	0.86	0.12	18.1	0.059	<0.001	8.16	19.9	1.8	648
GO 293		91	7	5	730	17.6	0.145	1.04	0.04	2.9	0.1	0.058	8.03	105	3.6	822
GO 293	G	91	7	5	730	7.5	0.141	1.01	0.04	2.9	0.107	0.054	8.26	107	3.8	821
GO 294		91	7	7	500	13.5	<0.001	0.81	0.21	17.8	0.07	0.032	8.01	29.3	1.3	717
GO 295		91	7	7	800	59.8	0.083	1.46	0.05	1.8	0.23	0.022	7.8	80.1	3.2	703
GO 296		91	7	7	1100	18	0.089	0.93	0.09	2.1	0.25	0.152	7.99	112	3.6	736
GO 297		91	7	7	1400	9.7	0.086	1.13	0.1	3.5	0.26	0.154	8.1	111	4	753
GO 298		91	7	7	2000	8.2	0.064	1.3	0.17	8.7	0.28	0.173	8.03	91.4	5.7	786
GO 299		91	7	7	2300	11.2	0.096	1.48	0.2	9.3	0.27	0.162	8.04	84.3	5.5	771
GO 300		91	7	8	200	8.2	0.069	1.4	0.19	7.2	0.28	0.182	8.13	108	6.2	848
GO 301		91	7	8	800	6.1	0.007	0.98	0.09	4.1	0.215	0.147	8.26	136	5.1	922
GO 302		91	7	30	200	67	0.135	2.52	0.12	11	0.28	0.013	7.82	23.6	3.6	505
GO 303		91	7	30	600	32.9	0.158	2.36	0.06	2.2	0.47	0.23	7.7	110	5.5	617
GO 304		91	7	30	1000	19.8	0.014	4.25	0.04	3	1.1	0.037	7.66	11	2	746
GO 304	G	91	7	30	1002	13.9	0.37	3.8	0.17	3.7	1	0.54	7.64	121	10.9	746
GO 305		91	7	30	1600	31.1	0.174	4.2	0.18	5.1	0.93	0.46	7.93	141	12.7	855
GO 306		91	11	20	1200	12.5	0.040	2.15	0.1	2.9	0.22	0.002	7.55	95.7	15.3	798
GO 307		91	11	20	1900	23.4	0.046	4.5	0.04	3.1	1.00	0.37	7.39	206	15.9	1037
GO 308		91	11	20	2400	20.7	0.046	3.5	0.03	3.5	0.73	0.35	7.52	172	14.9	991
GO 309		91	11	21	600	19.2	0.004	4.7	0.05	4.8	0.81	0.3	7.57	221	17.6	1067
GO 310		91	11	21	1400	16.3	0.098	3.62	0.07	4.6	0.61	0.3	7.7	170	18.3	1032
GO 311		91	11	21	2200	12.2	0.048	3.24	0.04	5.1	0.53	0.26	7.75	180	17.5	1058
GO 318		91	12	7	2100	4.6	0.193	1.02	0.04	7.7	0.235	0.163	8	245	5.8	1070
GO 319		91	12	8	800	5.3	0.579	1.86	0.05	9.4	0.37	0.2	7.8	205	8.3	1093
GO 320		91	12	8	1300	3.9	0.344	1.19	0.04	10.9	0.22	0.002	7.98	161	7	950
GO 321		91	12	8	1900	7.9	0.275	1.32	0.02	15.1	0.24	0.137	7.83	92.2	4.6	729
GO 322		91	12	9	300	7	0.19	0.97	0.02	15.9	0.235	0.138	7.85	79.7	4	701
GO 323		91	12	9	1100	4.3	0.112	0.81	0.03	17	0.132	0.144	7.99	78.3	3.9	717

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Pittock Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 324		91	12	9	2100	2.4	0.103	0.58	0.03	16.7	0.104	0.073	8.14	79.1	3.7	737
GO 325		91	12	10	1200	1.5	0.022	0.56	0.02	16.2	0.069	0.047	8.24	84.2	3.1	759
GO 326		91	12	11	300	1.8	0.029	0.51	0.02	15.3	0.072	0.052	8.14	88.4	3.4	774
GO 327		91	12	11	1800	1.6	0.027	0.5	0.03	14.3	0.064	0.054	8.12	106	3	819
GO 328		91	12	12	900	0.8	0.012	0.43	0.02	14.9	0.062	0.045	8.16	92.6	3	797
GO 329		91	12	13	100	1.2	0.012	0.36	0.03	13.9	0.068	0.056	8.08	96.9	2.9	812
GO 330		92	2	19	1400	9.3	0.064	0.88	0.02	14.2	0.145	0.034	7.75	82.3	2	674
GO 331		92	2	19	1800	7.4	0.023	0.9	0.01	12.9	0.15	<.001	7.78	86.5	2.1	667
GO 332		92	2	19	2400	5	0.029	0.83	0.02	15	0.112	0.039	7.83	84.8	1.9	702
GO 333		92	2	20	1200	4.7	0.001	0.73	0.02	15.7	0.094	0.052	7.88	92.6	1.9	756
GO 334		92	2	20	2200	2.8	0.006	0.62	0.02	15.9	0.074	0.037	7.91	93.4	1.7	770
GO 335		92	2	21	1000	2.6	0.035	0.49	0.02	15.3	0.068	0.031	7.93	89.9	1.7	760
GO 336		92	3	3	500	3.3	0.048	0.59	0.05	13.3	0.054	0.047	8.02	88.4	1.8	+
GO 337		92	3	3	1700	2.2	0.007	0.41	0.04	13.9	+	0.02	8.09	75.4	1.8	740
GO 338		92	3	3	2300	3.5	0.052	0.55	0.06	15	0.092	0.058	7.89	72.4	1.9	685
GO 339		92	3	4	700	3.2	0.036	0.46	0.04	16.8	+	0.031	7.96	70.2	1.6	702
GO 340		92	3	4	1600	4.6	0.04	0.45	0.07	15.1	0.056	0.027	7.94	71.1	2	696
GO 341		92	3	4	2200	5.7	0.025	0.71	0.04	14.9	+	0.05	7.65	45.7	1.9	571
GO 342		92	3	5	700	10.5	0.006	0.72	0.03	15.3	+	0.049	7.75	45.6	1.9	582
GO 343		92	3	6	1600	5.4	0.031	0.67	0.02	15	0.106	0.056	7.95	46.5	2.4	566
GO 344		92	3	6	2000	4.8	0.016	0.78	0.06	13.5	+	0.071	7.75	36.4	2.4	504
GO 345		92	3	7	400	5.8	0.012	0.69	0.05	13.5	0.106	0.061	7.82	40.9	2.1	492
GO 346		92	3	7	1200	7.6	0.006	0.7	0.03	11.9	0.103	0.061	7.76	38.8	2.2	490
GO 347		92	3	7	2000	8.4	0.003	0.76	0.02	10	0.118	0.061	7.7	35.3	2.6	463
GO 348		92	3	8	600	10.8	0.026	0.73	0.04	11.7	0.128	0.079	7.64	36.5	2.9	468
GO 349		92	3	9	1200	7.7	0.032	0.67	0.18	11	0.107	0.09	8.01	43.4	2.4	488
GO 350		92	3	9	1600	8.7	0.058	0.84	0.02	9.3	0.14	0.09	7.95	33.9	2.6	403
GO 351		92	3	9	2400	8.4	0.025	0.82	0.09	10.1	0.13	0.094	7.96	35.1	3	413
GO 352		92	3	10	800	11.3	0.021	0.68	0.06	10.8	0.122	0.101	7.86	38.4	2.8	435
GO 353		92	3	10	1400	11.6	0.027	0.87	0.05	10.8	0.155	0.068	7.85	41	2.4	436
GO 354		92	3	10	1800	9.8	0.077	0.84	0.03	11.4	0.139	0.062	7.9	45	2.8	457
GO 355		92	3	10	2400	5.7	0.018	0.79	0.04	12.6	0.106	0.049	7.96	54.5	2.3	522
GO 356		92	3	11	600	30.4	0.068	0.76	0.03	12.1	0.11	0.052	7.85	48.8	2.2	490
GO 357	G	92	4	10	1530	3	0.005	0.43	0.1	9.7	0.034	0.006	8.43	77.8	1.9	706
GO 358		92	4	10	2400	2.1	0.025	0.43	0.09	10.4	0.02	<0.001	8.24	78.2	1.5	762
GO 359		92	4	11	600	5.3	0.274	1.29	0.13	7.7	0.26@	0.177	7.93	153	4.5	906

@ samples too old for analysis
* samples old, suspect
+ samples exhausted
NA not available

Pittock Test Watershed Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
GO 360		92	4	11	900	2.4	0.007	0.57	0.11	10.2	0.067	0.03	8.08	105	2.1	792
GO 361		92	4	11	1200	2.8	0.014	0.49	0.11	11.1	0.049	0.072	8.12	88.5	2.1	767
GO 362		92	4	11	1400	2.4	0.007	0.46	0.11	11.6	0.034	0.01	8.14	81.8	1.8	759
GO 363		92	4	11	1800	1.5	<0.001	0.49	0.1	11.7	0.03	0.004	8.23	76.1	1.6	745
GO 364		92	4	11	2100	2.1	0.034	0.45	0.09	12.1	0.023	0.003	8.15	72.8	1.6	746
GO 365		92	4	16	600	3.4	0.014	0.42	0.11	10.7	0.023	0.001	8.25	79.1	1.8	726
GO 366		92	4	16	1300	68.8	0.112	1.68	0.24	9.3	0.314	0.131	7.99	76.6	3	658
GO 366	G	92	4	16	1300	166	0.153	2	0.11	9.6	0.52*	0.132	7.57	67	2.5	620
GO 367		92	4	16	1700	87	0.212	1.74	0.15	11.5	0.324	0.081	7.87	51	2.6	550
GO 368		92	4	16	1900	429	0.109	4.9	0.15	9.4	1.2	0.098	7.66	35.7	2.7	447
GO 369		92	4	16	2100	286	0.212	3.8	0.14	8.3	1	0.154	7.59	22.4	3.2	355
GO 370		92	4	17	100	209	0.335	3.5	0.1	9.4	1.48@	0.6	7.57	22.8	4.3	356
GO 371		92	4	17	500	111	0.222	2.65	0.08	10.6	0.97@	0.43	7.7	26.6	3.7	395
GO 372		92	5	30	600	3.2	0.062@	0.60@	0.23@	9.7@	0.049	0.017	@	89.6	2	822
GO 373		92	5	30	1400	3.3	0.074@	0.55@	0.22@	9.4@	0.049	0.016	@	92.7	2.4	807
GO 374		92	5	30	2200	3.4	<0.001@	0.62@	0.19@	9.9@	0.051	0.009	@	84.5	2	819
GO 375		92	5	31	400	3.3	0.009@	0.63@	0.21@	8.7@	0.07	0.066	@	82.7	2.2	798
GO 376		92	5	31	1200	2.8	0.052@	0.67@	0.18@	8.1@	0.088	0.066	@	77.8	2	756

@ samples too old for analysis
* samples old, suspect
+ samples exhausted
NA not available

PITTOCK CONTROL

Pittock Control Watershed — Water Quality Data

Sample	#		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE	1		88	10	25	30	<5.0	0.022	0.18	0.01	1.4	0.017	0.013	7.88	12.34	1.95	602
WE	2		88	10	25	1100	<5.0	0.015	0.26	0.01	1.5	0.013	0.008	7.97	12.40	1.74	611
WE	3		88	11	5	1400	11.0	NA	NA	NA	NA	0.021	0.003	NA	12.02	2.89	590
WE	4		88	11	5	1600	<5.0	NA	NA	NA	NA	0.036	0.007	NA	12.82	3.34	555
WE	5		88	11	5	2000	<5.0	NA	NA	NA	NA	0.022	<0.001	NA	11.73	3.33	583
WE	6		88	12	21	400	<5.0	0.034	0.61	0.03	6.3	0.138	0.099	.94	20.75	2.67	640
WE	7		88	10	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	8		88	11	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	9		88	11	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	10		88	11	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	11		88	12	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	12		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	13		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	14		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE	16		89	2	17	1015	<5.0	<0.001	0.30	0.05	4.0	0.062	0.051	7.74	10.3	1.2	636
WE	17		89	3	10	1200	118	0.751	3.30	0.13	2.7	0.37	0.07	7.65	48.2	6.6	538
WE	18		89	3	10	1500	1469	1.9	14.5	0.13	1.9	2.80	0.04	7.49	141	10.8	766
WE	18	G	89	3	10	1500	253	2.1	5.05	0.14	2.3	0.68	0.18	7.08	22.6	10.5	238
WE	19		89	3	10	1800	163	1.8	4.35	0.14	2.3	0.53	0.31	7.34	33.2	9.4	286
WE	20		89	3	10	2100	33.9	2.5	5.74	0.14	2.5	0.50	0.20	7.28	29.5	12.2	336
WE	21		89	3	11	300	164	3.0	8.25	0.17	3.6	0.83	0.20	7.34	22.2	14.1	403
WE	22		89	3	11	900	5.8	2.3	5.63	0.12	3.9	0.29	0.09	7.42	22.2	10.9	446
WE	23		89	3	11	1200	26.1	2.9	7.40	0.14	3.5	0.43	0.08	7.22	17.5	15.0	369
WE	24		89	3	11	1500	300	3.5	9.20	0.16	1.8	1.00	0.08	6.99	13.1	16.8	228
WE	24	G	89	3	11	1500	325	2.1	9.00	0.20	2.3	1.12	0.19	6.98	13.3	16.5	224
WE	25		89	3	11	1800	205	4.9	12.2	0.58	1.2	1.72	0.60	6.96	13.5	21	238
WE	26		89	3	11	2100	108	5.2	12.4	0.76	1.0	1.70	0.83	6.97	14.3	22	269
WE	27		89	3	11	2400	58.8	5.5	12.2	0.72	1.3	1.62	0.88	7.01	14.3	20	284
WE	28		89	3	12	300	36.4	6.0	11.1	0.51	2.1	1.52	1.00	7.03	13.7	16.8	294

@ samples too old for analysis
* samples old, suspect
+ samples exhausted
= small bottle contaminated, large bottle exhausted
NA not available

Pittock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 29	89 3 12	900	18.4	7.2	11.4	0.33	2.4	1.63	1.25	7.08	12.9	15.9	309
WE 30	89 3 12	1800	83.2	3.6	8.40	0.17	2.8	1.51	1.26	7.10	12.7	13.5	292
WE 31	89 3 23	1600	218	0.370	2.80	0.10	3.3	0.51	0.093	7.46	7.3	5.1	278
WE 32	89 3 23	1900	349	0.8	3.70	0.05	2.6	0.92	0.21	7.45	5.5	6.4	177
WE 33	89 3 24	100	31.4	1.3	3.60	0.05	4.7	0.66	0.38	7.52	8.5	5.1	272
WE 34	89 3 24	1000	10.3	0.7	2.35	0.06	6.5	0.39	0.23	7.76	9.3	3.6	365
WE 35	89 3 24	1600	178	1.0	3.80	0.05	3.5	0.85	0.31	7.43	6.9	6.7	226
WE 36	89 3 24	1900	232	1.4	4.10	0.05	3.2	1.20	0.59	7.45	9.6	6.8	202
WE 37	89 3 25	100	80.6	1.4	3.95	0.05	5.1	0.97	0.61	7.46	11.0	5.4	258
WE 38	89 3 25	1000	20.3	0.9	2.80	0.05	7.2	0.61	0.39	7.62	10.0	4.1	336
WE 39	89 3 25	1300	163	1.0	3.45	0.06	6.2	0.94	0.40	7.71	8.8	5.2	273
WE 40	89 3 25	1600	237	1.0	3.70	0.05	6.8	1.14	0.53	7.45	7.9	5.5	278
WE 41	89 3 26	100	45.2	0.5	2.30	0.07	11.7	0.45	0.21	7.60	12.1	3.3	391
WE 42	89 3 26	1000	<5.0	0.361	1.75	0.06	12.6	0.26	0.162	7.78	14.1	2.6	466
WE 43	89 3 28	1600	12.5	0.180	1.61	0.08	17.2	0.14	0.074	7.98	19.5	2.5	533
WE 44	89 3 28	2000	27.9	0.125	1.62	0.08	17.3	0.17	0.063	7.84	20.1	2.8	536
WE 45	89 3 28	2200	483	0.135	5.69	0.08	17.7	1.34	0.069	7.70	21.2	5.4	530
WE 46	89 3 29	200	259	0.080	2.18	0.07	19.3	0.58	0.078	7.55	21.2	4.8	539
WE 47	89 3 29	600	92.4	0.069	1.85	0.13	19.3	0.34	0.064	7.62	19.9	3.3	549
WE 48	89 3 29	1400	30.2	0.039	1.31	0.12	19.4	0.14	0.048	7.65	19.4	2.4	556
WE 49	89 3 29	2400	<5.0	0.252	1.28	0.05	19.5	0.10	0.036	7.78	19.5	2.2	566
WE 50	89 3 30	1000	10.4	@	@	0.07	@	0.08	@	7.85	20.3	2.0	587
WE 51	89 4 28	2300	10.3	0.053	0.60	0.04	4.0	0.096	0.066	7.83	12.4	1.1	624
WE 52	89 4 30	1700	13.2	0.032	0.61	0.05	4.3	0.100	0.069	7.84	12.7	1.1	623
WE 53	89 5 5	1700	<5.0	0.003	0.53	0.14	3.6	0.038	0.018	8.20	12.3	1.1	602
WE 54	89 5 7	1100	<5.0	0.003	0.55	0.03	3.5	0.056	0.019	8.06	12.0	1.0	603
WE 55	89 5 10	1110	<5.0	0.003	0.48	0.03	3.3	0.043	0.028	8.04	12.6	1.1	610
WE 55 G	89 5 10	1110	<5.0	0.003	0.47	0.03	3.5	0.049	0.036	7.97	11.9	1.1	610
WE 56	89 5 19	1028	<5.0	<0.001	0.41	0.03	3.0	0.036	0.017	7.98	11.6	1.1	611

@ samples too old for analysis

* samples old, suspect

\+ samples exhausted

= small bottle contaminated, large bottle exhausted

NA not available

Pitnock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 56 G	89 5 19	1028	9.2	<0.001	0.69	<0.01	2.8	0.060	0.005	7.86	11.2	1.2	609
WE 57	89 5 20	1500	<5.0	0.013	0.55	0.04	3.0	0.058	0.015	8.18	13.3	1.0	623
WE 58	89 NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE 59	89 NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE 60	89 NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE 61	89 NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE 62	89 NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WE 63	89 6 17	1300	<5.0	<0.1	0.35	0.03	2.6	0.05	<0.01	8.05	10.7	1.0	629
WE 64	89 6 17	1600	<5.0	0.1	0.22	0.04	2.7	0.02	<0.01	8.08	10.3	0.9	627
WE 65	89 6 18	2200	6.4	0.1	0.36	0.04	2.7	0.05	<0.01	8.03	10.4	1.0	631
WE 66	89 6 18	100	<5.0	0.1	0.28	0.04	2.7	0.07	<0.01	8.01	10.5	1.0	634
WE 67	89 6 18	400	7.0	0.1	0.31	0.04	2.8	0.03	<0.01	7.99	10.1	1.1	627
WE 68	89 6 18	700	<5.0	0.1	0.34	0.04	2.7	0.02	<0.01	7.99	10.2	1.1	630
WE 69	89 6 18	1300	<5.0	0.1	0.21	0.04	2.8	0.03	<0.01	8.02	11.6	1.0	629
WE 70	89 6 21	1700	6.4	<0.1	0.21	0.04	1.9	0.02	<0.01	7.97	9.9	0.9	606
WE 71	89 6 21	2300	3.8	<0.1	0.25	0.04	2.9	0.01	<0.01	7.98	10.4	0.9	611
WE 72	89 6 22	200	1611	<0.1	9.21	0.03	4.0	3.5	<0.01	7.29	4.7	3.8	184
WE 73	89 6 22	500	135	<0.1	1.98	0.04	252	0.55	<0.01	7.19	15.9	5.1	558
WE 74	89 6 22	800	24.4	<0.1	1.20	0.04	25	0.24	0.04	7.44	18.4	4.4	648
WE 75	89 6 22	1400	7.5	<0.1	0.92	0.03	20	0.19	0.08	7.65	19.7	2.9	683
WE 76	89 6 29	1400	3.4	<0.1	0.29	0.02	2.3	0.02	<0.01	8.01	10.9	1.2	613
WE 76 G	89 6 29	1400	2.3	<0.1	0.19	<0.01	2.4	0.02	0.02	7.87	10.4	1.1	615
WE 77	89 7 12	1300	3.2	<0.1	0.19	0.04	2.4	0.06	0.04	8.04	9.7	1.0	616
WE 77 G	89 7 12	1300	0.9	<0.1	0.18	0.03	2.4	0.06	0.05	7.97	9.5	1.0	617
WE 78	89 7 19	1700	7.0	<0.1	0.37	0.03	2.3	0.22	<0.01	7.64	9.9	1.2	617
WE 79	89 7 19	1900	102	<0.1	1.47	0.07	3.1	0.40	<0.01	7.53	7.5	9.0	390
WE 80	89 7 19	2100	14.4	<0.1	0.58	0.09	3.0	0.20	<0.01	7.64	30.0	3.1	594
WE 81	89 7 19	2300	<5.0	<0.1	0.51	0.05	3.0	0.16	<0.01	7.78	19.4	1.9	631
WE 82	89 7 20	100	<5.0	<0.1	0.38	0.05	2.5	0.14	<0.01	7.84	15.1	1.3	629

@ samples too old for analysis

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\+ samples exhausted

= small bottle contaminated, large bottle exhausted

NA not available

Pittock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 83	89 7 20	300	<5.0	<0.1	0.29	0.05	2.4	0.13	<0.01	7.86	12.5	1.1	621
WE 84	89 7 27	1330	<5.0	<0.1	0.25	0.03	2.0	0.07	0.03	8.04	9.6	0.8	616
WE 85	89 7 27	1430	<5.0	0.1	0.33	0.04	2.1	0.07	0.03	7.95	9.5	1.1	590
WE 86	89 7 27	1930	<5.0	0.1	0.15	0.04	2.3	0.05	0.08	7.90	9.5	0.8	619
WE 87	89 7 27	2030	<5.0	0.1	0.20	0.04	2.3	0.05	0.02	7.83	9.5	0.8	618
WE 88	89 7 28	530	<5.0	0.1	0.21	0.04	2.3	0.04	<0.01	7.94	9.5	0.8	616
WE 89	89 7 28	930	<5.0	0.1	0.18	0.04	2.3	0.05	<0.01	7.91	9.7	0.8	614
WE 90	89 10 21	0600	2.1	<0.1	0.32	0.03	1	0.05	0.01	8.05	100	1.5	940
WE 91	89 10 21	1200	4.6	<0.1	0.29	0.02	1.1	0.04	0.03	8.05	67.6	1.3	804
WE 92	89 10 21	1800	2.1	<0.1	0.28	0.02	1.5	0.04	0.01	8.14	86	1.4	877
WE 93	89 11 7	1030	<5.0	<0.1	0.22	0.02	1.8	0.02	0.02	8.1	11.1	1.7	579
WE 94	89 11 7	1430	<5.0	<0.1	0.26	0.02	1.4	0.02	<0.01	8.04	11	2.3	517
WE 95	89 11 7	1630	<5.0	<0.1	0.29	0.02	1.6	0.03	<0.01	8.05	12.3	2.1	572
WE 96	89 11 7	2030	<5.0	<0.1	0.29	0.02	1.6	0.03	<0.01	7.98	99.6	1.8	918
WE 97	89 11 7	2230	<5.0	<0.1	0.33	0.02	1.6	0.03	<0.01	7.97	107	1.7	967
WE 98	89 11 8	0030	<5.0	<0.1	0.24	0.02	1.6	0.02	<0.01	7.96	103	1.6	947
WE 99	89 11 8	0430	<5.0	<0.1	0.26	0.02	1.4	0.02	<0.01	8.04	131	1.6	1050
WE 100	89 11 8	1030	<5.0	<0.1	0.32	0.02	1.3	0.02	<0.01	8.08	121	1.4	1025
WE 101	89 11 8	1430	<5.0	<0.1	0.31	0.01	1.7	0.02	<0.01	8.14	62.5	1.4	810
WE 102	89 11 8	2230	<5.0	<0.1	0.22	0.02	1.6	0.02	<0.01	8.02	40.7	1.3	749
WE 103	89 11 9	0030	<5.0	<0.1	0.26	0.02	1.8	0.02	<0.01	8.04	27	1.4	689
WE 104	89 11 9	0230	<5.0	<0.1	0.24	0.02	1.4	0.02	<0.01	8.01	53.7	1.6	771
WE 105	89 11 9	0630	<5.0	<0.1	0.29	0.02	1.5	0.02	0.01	8.01	69.9	1.6	853
WE 106	89 11 NA												
WE 107	89 11 NA												
WE 108	89 11 NA	)NO DATA RECORDED											
WE 109	89 11 NA												
WE 110	89 11 NA												
WE 111	89 11 15	1800	503	<0.1	3.94	0.1	15.4	1.61	0.4	7.61	30.3	8.4	539

@ samples too old for analysis

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\+ samples exhausted

= small bottle contaminated, large bottle exhausted

NA not available

Pittock Control Watershed — Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 112	89 11 15	2000	646	<0.1	4.82	0.05	12.4	2.03	0.41	7.5	25.4	8.8	441
WE 113	89 11 15	2200	267	0.2	4.13	0.06	13.6	1.46	0.54	7.52	28.4	10.7	482
WE 114	89 11 16	0400	37.2	0.4	2.79	0.06	18.6	0.88	0.53	7.71	35.1	11.3	612
WE 115	89 11 20	0830	8.4	<0.1	0.93	0.23	9.7	0.34	0.2	7.94	30.1	2.6	688
WE 116	89 11 20	1230	6.4	<0.1	1.21	0.05	12.5	0.27	0.2	8.09	30.5	4.8	648
WE 117	89 11 20	1630	11.1	<0.1	1.46	0.08	12.2	0.27	0.15	7.99	29.5	6.5	601
WE 118	89 11 20	1830	17.8	0.1	1.67	0.11	12.3	0.38	0.2	7.97	32	7.1	606
WE 119	89 11 20	2230	16.7	0.1	1.66	0.1	12	0.36	0.19	8.01	34.2	6.8	618
WE 120	89 11 27	2400	17.9	<0.1	0.55	0.02	1.4	0.17	<0.01	7.93	12.1	2.2	547
WE 121	89 11 28	0200	1511	<0.1	10	0.02	5.7	4.16	0.05	7.57	17.4	4.5	353
WE 122	89 11 28	0400	513	<0.1	4.04	0.14	11.12	1.7	0.12	7.72	27.4	6.2	486
WE 123	89 11 28	0800	88.2	0.1	2.25	0.1	14.9	0.7	0.19	7.92	33.7	7.9	608
WE 123 G	89 11 28	0810	88.7	0.1	2.12	0.11	15.1	0.62	0.22	7.82	33.8	8	612
WE 124	89 11 28	1200	48.1	<0.1	1.29	0.08	15.5	0.42	0.14	8.08	37	6.9	645
WE 125 G	89 12 11	1000	1.4	<0.1	0.21	0.01	2.2	0.03	<0.01	7.86	15	1.2	654
WE 126 G	89 12 13	0835	0.8	<0.1	0.18	0.01	2.5	0.03	<0.01	7.77	14.8	1.2	673
WE 127 G	90 1 15	1000	<5	<0.1	0.66	0.06	5.4	0.13	0.07	7.76	20.1	2.4	673
WE 128	90 1 17	0830	12.9	3.1	7.16	0.1	13.7	0.59	0.22	7.67	27.2	12.9	616
WE 128 G	90 1 17	0900	28.9	3.1	7.3	0.07	15.6	0.67	0.17	7.51	32.2	13.5	613
WE 129	90 1 17	1430	341	2.1	8.77	0.06	11.7	1.56	0.63	7.12	14.1	16.3	357
WE 129 G	90 1 17	1445	311	2.2	8.66	0.07	12.2	1.57	0.57	7.04	14.2	15.8	345
WE 130	90 1 17	1630	196	2.6	8.95	0.07	8.4	1.6	0.86	7.03	18.8	21	348
WE 130 G	90 1 17	1644	128	2.4	8.06	0.06	12.4	1.48	0.67	6.99	14.4	18.3	308
WE 131	90 1 17	1830	176	1.6	7.16	0.05	12.8	1.13	0.55	7.12	12.3	14	328
WE 132	90 1 17	2030	129	1.4	5.92	0.05	13.8	0.97	0.44	7.09	11	11.9	323
WE 133	90 1 17	2230	90.3	1.2	5.53	0.05	13.3	0.79	0.36	7.08	10.3	10.4	312
WE 134	90 1 18	0030	58.2	1.1	4.19	0.04	14.3	0.74	0.33	7.1	10.1	8.7	316
WE 135	90 1 18	0230	86.7	1.1	4.49	0.04	11.6	0.78	0.32	7.09	9	8.5	280
WE 136	90 1 18	0430	51.3	0.9	3.81	0.03	18.3	0.62	0.24	7.21	11.2	6.5	368

@ samples too old for analysis
* samples old, suspect
+ samples exhausted
= small bottle contaminated, large bottle exhausted
NA not available

Pittock Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 137	G	90	2	9	1045	67.3	1	4.2	0.05	17.7	1.08	0.83	7.15	12.7	6.2	415
WE 138	G	90	2	12	0945	1.6	0.2	0.94	0.05	22	0.08	0.07	7.75	23.2	2	655
WE 139		90	2	22	1000	84.7	0.2	2.13	0.09	15.4	0.26	0.07	7.49	25.8	2.3	579
WE 140		90	2	22	1400	218	0.7	2.75	0.01	12.2	0.54	0.12	7.24	7.9	2.4	304
WE 140	G	90	2	22	1405	156	1.5	3.54	<0.01	6.7	0.56	0.21	7.3	33.5	2.7	396
WE 141		90	2	22	1800	86.3	0.9	4.01	0.01	8.5	0.72	0.35	7.01	7.1	6.6	230
WE 141	G	90	2	22	1750	159	1.4	3.41	<0.01	53.1	0.56	0.27	7.24	19.2	2.6	285
WE 142		90	2	22	2000	46.4	1.2	5.24	0.01	6	0.95	0.42	6.91	6.5	8.5	204
WE 143		90	2	22	2200	58.9	0.9	4.09	0.01	7.4	0.74	0.4	6.99	6.7	7.1	213
WE 144		90	2	23	0200	37.2	0.7	3.08	0.01	10.9	0.54	0.32	7.14	7.9	5.2	269
WE 145		90	2	23	0800	24.9	0.6	2.16	0.01	14.8	0.37	0.23	7.22	9.4	3.9	332
WE 146		90	3	9	1300	74.9	1.3	4.81	1.66	<0.1	0.64	0.03	7.27	13.1	4.3	331
WE 146	G	90	3	9	1302	87.7	1	5.37	0.38	5.9	0.99	0.04	7.01	20.3	4.7	340
WE 147		90	3	9	1600	173	2.6	8.98	0.05	<0.1	1.83	0.47	6.98	9.5	6.5	278
WE 147	G	90	3	9	1550	197	1.9	9.56	0.75	4.6	1.91	0.04	6.94	12.6	6.7	265
WE 148		90	3	9	2200	28.5	2.4	8.52	0.05	0.1	1.63	0.53	7.21	15	13.5	357
WE 149		90	3	10	1000	66.7	2.32	7.76	2.12	<0.5	1.96	1.06	7.02	10.8	13.2	294
WE 150		90	3	10	1600	34.4	1.5	6.69	2.98	<0.5	1.9	1.06	7.05	9.9	11.1	302
WE 151		90	3	11	0100	7.4	1.6	5.84	1.65	7.1	1.61	0.91	7.14	10.9	8.6	349
WE 152		90	3	11	1300	156	1.7	6.23	0.3	5.1	1.92	1.2	7.07	7.9	9.1	252
WE 153		90	3	11	1600	421	1.6	7.98	0.24	4.1	3.03	1.14	7.02	7	8.8	224
WE 154		90	3	11	1900	115	1.1	5.64	0.52	7.9	1.65	0.83	7.1	9	7	303
WE 155		90	3	12	100	27.5	0.7	3.94	0.51	11.8	1.18	0.55	7.18	10.8	4.9	375
WE 155	G	90	3	12	1630	35	7.8	24.3	0.07	<0.1	12.1	7.51	7.05	24.5	4.3	449
WE 161		90	4	20	1500	3.3	0.2	0.88	0.07	12.8	0.14	0.12	7.79	19.7	1.8	641
WE 162		90	4	20	1900	1.9	0.3	0.82	0.07	13.3	0.06	0.03	7.73	20.5	1.8	341
WE 163		90	4	21	1100	<0.1	0.2	0.99	0.1	17.4	0.06	0.03	7.66	23.4	2.1	655
WE 164		90	4	21	700	0.6	0.3	0.84	0.08	17.9	0.04	0.02	7.61	21.7	1.6	661
WE 165		90	5	4	1330	3.7	<0.1	0.5	0.05	4.3	0.005	<0.01	8.12	12.2	1	618

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= small bottle contaminated, large bottle exhausted

NA not available

Pitnock Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 166		90	5	4	2130	5.6	<0.1	0.51	0.05	4.7	0.005	<0.01	8.08	12.6	1.1	627
WE 167		90	5	5	530	3.6	<0.1	0.55	0.14	7.4	0.007	<0.01	8.09	90.1	2	625
WE 168		90	5	5	1530	2.6	<0.1	0.52	0.05	4.6	0.005	<0.01	8.09	12.2	1.1	613
WE 169		90	5	13	400	8.1	<0.1	0.32	0.04	3	0.02	<0.01	7.93	11.4	0.9	612
WE 170		90	5	13	800	2.6	<0.1	0.41	0.04	4.7	0.02	<0.01	7.91	12	1.1	617
WE 170	G	90	5	13	810	18.8	<0.1	0.39	0.04	5.2	0.05	<0.01	7.79	14.7	1.2	624
WE 171		90	5	13	1000	3.7	<0.1	0.5	0.05	5.4	0.09	0.02	7.93	17.2	3.3	604
WE 171	G	90	5	13	1012	2.8	<0.1	0.5	0.03	5.2	0.08	<0.01	7.88	14.9	1.2	637
WE 172	G	90	5	13	1350	4.8	<0.1	1.05	0.06	8	0.23	0.1	7.84	17.8	3.8	605
WE 172		90	5	13	1400	4.6	<0.1	0.97	0.07	8	0.2	0.11	7.93	17.2	3.3	603
WE 173		90	5	14	400	3.1	<0.1	0.95	0.05	8.1	0.08	0.02	7.8	14	1.6	604
WE 174		90	5	16	700	4.4	<0.001	0.67	0.05	7.2	0.063	0.04	7.97	14.54	1.7	624
WE 175		90	5	16	1100	7	0.001	0.9	0.04	8.7	0.088	0.047	7.96	14.5	1.6	619
WE 176		90	5	16	1300	40.7	0.157	2.25	0.08	13.6	0.465	0.26	7.91	21.23	6.8	634
WE 176	G	90	5	16	1309	37.7	0.111	2.25	0.08	15.1	0.5	0.29	7.79	21.1	7	342
WE 177		90	5	16	2100	12.8	0.094	1.9	0.1	19.7	0.195	0.104	7.68	17.7	4	652
WE 178		90	5	17	700	8.2	0.008	1.3	0.09	20	0.086	0.045	7.75	17.1	2.2	653
WE 179		90	5	17	900	548	0.092	6.3	0.12	8	1.47	0.418	7.52	19.5	4.7	622
WE 180		90	5	17	1300	55.6	0.116	2.55	0.1	30	0.44	0.279	7.45	20.1	4.4	670
WE 181		90	5	17	1900	123	0.146	2.95	0.1	29	0.71	0.233	7.38	19.2	4.4	663
WE 182	G	90	5	18	1110	6.7	0.045	1.2	0.09	29.3	0.102	0.063	7.5	22.5	2.2	685
WE 183		90	5	19	600	2.7	<0.001	1.02	0.08	25.8	0.048	0.027	7.9	21.8	1.7	679
WE 184		90	5	19	2100	2	<0.001	0.96	0.08	24	0.048	0.025	7.92	23.2	1.4	678
WE 185		90	5	20	900	3.2	<0.001	1	0.09	23.2	0.054	0.028	8.02	22.8	1.7	672
WE 186		90	5	20	2100	9.4	0.082	1.95	0.35	23.4	0.19	0.136	7.95	24.5	4	669
WE 187		90	5	21	900	5.1	<0.001	1.3	0.08	24.1	0.067	0.034	7.92	23.8	1.9	681
WE 188	G	90	5	28	1030	1.7	@	@	@	@	0.062	0.05	@	13.4	1.2	624
WE 189	G	90	5	30	925	2.1	@	@	@	@	0.036	0.022	@	11.9	1	618
WE 190	G	90	6	19	1020	1.7	<0.001	0.14	0.03	2.6	0.006	=	7.95	10.1	1	640

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NA not available

Pittock Control Watershed

Water Quality Data

Sample #			Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 191	G	*	90	6	21	1045	1.3	<0.001	0.16	0.03	2.6	+	0.058	7.94	9.9	1	636
WE 192			90	6	22	1700	7.1	0.006	0.28	0.05	2.4	0.012	0.005	8.04	9.8	1	614
WE 193			90	6	22	2300	10.8	0.005	0.37	0.06	2.5	0.019	0.004	8.07	10.1	1	618
WE 194	G		90	6	23	1810	1.6	0.017	0.19	0.04	2.5	0.01	0.003	8.06	11.1	0.9	625
WE 194			90	6	23	1900	5.9	0.004	0.18	0.05	2.4	0.012	0.004	8.08	9.9	0.9	616
WE 195			90	6	24	1300	2.5	0.003	0.17	0.04	2.4	0.01	0.008	8.08	10.6	0.9	627
WE 196	G		90	7	9	930	24.6	0.557	2.48	0.76	32.6	0.306	0.148	7.28	17.8	5.1	692
WE 197	G		90	7	9	1330	21	2.2	6.5	2.06	26.4	0.55	0.155	7.33	22.5	12.4	748
WE 198	G		90	7	10	640	8.2	0.109	0.86	0.35	24	0.093	0.064	7.6	22.3	2.6	727
WE 199	G		90	7	11	650	14.5	0.003	0.48	0.17	15	0.073	<0.001	7.8	17.4	1.7	696
WE 200	G		90	7	30	1217	21.4	0.003	0.52	0.07	2.2	0.052	0.031	7.88	10.1	1.6	572
WE 200			90	7	30	1230	11	0.048	0.38	0.04	2.4	0.058	0.021	7.9	10.5	1.7	577
WE 201			90	7	30	1430	8.1	0.002	0.33	0.05	2.3	0.037	0.01	7.9	9.9	1.4	594
WE 201	G		90	7	30	1440	7.8	0.03	0.51	0.03	1.9	0.044	0.015	7.69	20	1.8	616
WE 207			90	8	12	1200	3.4	0.003	0.21	0.04	2.4	0.012	0.009	8.04	10.8	0.9	613
WE 208			90	8	12	1800	3.9	0.002	0.28	0.04	2.2	0.014	0.004	8.03	9.7	1.1	610
WE 209			90	8	12	2400	5.5	0.002	0.26	0.05	2.4	0.018	0.003	7.96	10.7	1	613
WE 210			90	8	13	600	3.3	0.014	0.24	0.04	2.3	0.019	0.005	7.8	10.6	1.2	602
WE 211			90	8	13	900	3	0.016	0.22	0.04	2.4	0.015	0.005	7.89	10.8	1.1	612
WE 211	G		90	8	13	909	3.4	0.018	0.2	0.03	2.2	0.015	0.006	7.76	13	1.2	620
WE 212			90	8	13	2100	3	0.009	0.2	0.04	2.5	0.015	0.003	7.96	11.5	1.1	616
WE 213			90	9	6	1030	3	0.039	0.39	0.03	2.2	0.029	0.004	7.89	10.1	1.1	613
WE 213	G		90	9	6	1039	3	0.015	0.18	0.03	2.3	0.017	CONT'N	8.12	10.4	1	612
WE 214			90	9	14	1400	37.9	0.001	0.37	0.02	1.8	0.03	0.005	7.95	10.2	1.2	614
WE 215			90	9	14	1800	26.7	0.001	0.76	0.04	1.9	0.18	0.061	7.76	9.2	4.9	505
WE 216			90	9	14	2000	12.5	0.272	1.48	0.12	5.8	0.46	0.212	7.82	18	8.7	596
WE 217			90	9	14	2400	30.4	0.166	2.25	0.2	8	0.90	0.467	7.8	34.2	13.6	661
WE 218			90	9	15	200	15.5	0.179	2.25	0.1	10.8	0.59	0.278	8.03	24.5	10.1	671
WE 219			90	9	15	600	5.8	0.003	0.93	0.06	11.8	0.26	0.162	8.06	25.3	6	713

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Pitock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 220	90 9 15	1800	30.6	<0.001	0.51	0.04	9.5	0.141	0.086	8.1	24.9	2.4	717
WE 221	90 10 3	2400	14.3	0.042	0.3	<0.01	5.2	0.055	NA	7.93	15.5	1.4	686
WE 222	90 10 4	600	25.3	0.002	0.41	<0.01	6.5	0.076	0.043	7.9	17	1.9	682
WE 223	90 10 4	800	45.3	0.004	0.76	<0.01	9.4	0.126	0.11	8.02	34.6	2.5	751
WE 223 G	90 10 4	806	38.4	0.014	0.68	<0.01	9.7	0.134	0.099	7.97	33.5	2.6	745
WE 224	90 10 4	1000	65.6	0.007	2.55	<0.01	18.5	0.47	0.179	7.73	25.9	6.6	759
WE 224 G	90 10 4	1010	60.1	0.058	2.75	<0.01	19.5	0.46	0.245	7.54	24.7	7.8	764
WE 225	90 10 4	1400	21.4	0.07	2.1	<0.01	12.8	0.23	0.086	7.78	26.6	6.5	819
WE 225 G	90 10 4	1410	23.4	0.063	1.48	<0.01	12.9	0.21	0.106	7.76	25.9	5.7	817
WE 226	90 10 4	1800	10.4	0.009	0.86	<0.01	12.3	0.106	0.056	7.97	25.8	3.6	814
WE 226 G	90 10 4	1819	45.8	0.001	0.76	<0.01	19.7	0.111	0.071	7.85	25.8	3.4	819
WE 227 A	90 10 5	800	44.9	0.003	0.53	<0.01	18.2	0.059	0.007	8.05	26.5	2.1	817
WE 227 B	90 10 9	300	7.8	0.011	0.51	0.04	14.4	0.107	0.081	8.14	24.6	2	767
WE 228	90 10 9	600	27.2	0.016	1.02	0.04	17.7	0.188	0.086	8.04	26.1	3.1	781
WE 229	90 10 9	900	62	0.038	2.65	0.04	24.3	0.42	0.183	7.53	24	8.3	775
WE 229 G	90 10 9	911	65.5	0.054	2.7	0.06	25.4	0.44	0.15	7.67	24.2	8.8	777
WE 230	90 10 9	1800	11.7	0.014	0.94	0.06	23.8	0.113	0.063	7.71	24.8	3.6	821
WE 231	90 10 10	600	12.8	0.044	0.99	0.06	25.7	0.131	0.079	7.81	27.4	4.4	830
WE 232	90 10 10	2400	6.7	0.033	0.88	0.07	25.9	0.106	0.047	7.8	26.3	3.5	831
WE 233	90 10 11	600	17.3	0.126	1.54	0.06	26.1	0.19	0.096	7.64	25.8	5.6	817
WE 234	90 10 11	900	16.6	0.064	0.98	0.06	27.1	0.112	0.054	7.75	25.9	4.1	831
WE 234 G	90 10 11	910	30.4	0.058	0.97	0.05	25.9	0.117	0.014	7.67	25.2	3.8	835
WE 235	90 10 12	300	11.2	0.005	0.54	0.05	24.8	0.047	0.026	7.85	26.5	2.1	837
WE 236	90 10 18	300	46.4	NA	0.54	0.04	19.5	0.059	0.003	8.04	25.7	1.8	808
WE 237	90 10 18	900	162	NA	3.25	0.09	19.9	0.735	0.177	7.54	25.1	7	712
WE 237 G	90 10 18	900	185	NA	3.6	0.04	21.3	0.79	0.189	7.35	22.4	7.7	699
WE 238	90 10 18	18009	18.7	NA	0.9	0.05	23.2	0.095	0.051	7.68	23.6	2.9	811
WE 238 G	90 10 18	1803	58.9	NA	0.75	<0.05	26.1	0.096	0.058	7.59	23.7	2.8	820
WE 239	90 10 19	300	7.5	NA	0.72	0.01	24.1	0.072	0.044	7.67	24.8	2.5	813

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Pittock Control Watershed

Water Quality Data

Sample #		Date (YY MM DD)			Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 240		90	11	5	800	58.7	<0.001	1.32	<0.001	2.8	0.17	<0.001	7.61	15.6	1.8	664
WE 241		90	11	5	1200	63.6	<0.001	1.96	0.04	12.4	0.144	0.028	7.49	28	4.7	697
WE 242		90	11	5	1400	161	<0.001	4.3	0.06	19	0.79	0.059	7.56	20.4	4.3	656
WE 242	G	90	11	5	1410	194	<0.001	3.25	0.06	17.1	0.68	0.117	7.22	19.6	5.3	648
WE 243		90	11	5	1800	68.5	<0.001	1.9	0.07	20.1	0.378	0.131	7.33	20.6	5.6	694
WE 244		90	11	5	2200	131	<0.001	2.23	0.06	18.8	0.5	0.09	7.32	20.2	5.3	602
WE 245		90	11	6	400	42.1	<0.001	1.17	0.06	22.3	0.25	0.085	7.37	21.3	4.1	701
WE 246		90	11	6	1000	20.7	<0.001	1.25	0.06	23.8	0.188	0.071	7.46	20	3.2	702
WE 246	G	90	11	6	1015	21.1	<0.001	1.19	0.06	23.8	0.177	0.081	7.13	19.8	3.2	705
WE 247		90	11	27	300	38.8	0.001	0.72	0.05	17.7	0.065	0.025	8.12	21.5	1.6	766
WE 248		90	11	27	900	22.9	0.292	2.42	0.16	17.7	0.39	0.103	7.76	24.5	5.2	778
WE 249		90	11	27	2400	21	0.011	0.89	0.11	16.5	0.109	0.055	7.87	24.3	2.5	788
WE 250		90	11	28	900	69.7	0.012	2.25	0.13	16.7	0.405	0.107	7.68	23.8	3.8	751
WE 251		90	11	28	1800	10.1	<0.001	1.26	0.12	18.3	0.166	0.074	7.81	23.9	3.1	785
WE 252	G	91	1	21	1555	6	<0.001	0.42	0.03	5.6	0.029	0.014	7.97	14.1	1.2	639
WE 253	G	91	1	24	925	6.8	<0.001	0.31	0.01	4.5	0.024	0.021	7.9	14.5	1.1	637
WE 254	G	91	2	18	1605	2.8	<0.001	0.31	0.02	4.7	0.023	0.013	8.28	14.4	1.1	620
WE 255	G	91	2	22	843	6.7	0.147	0.99	0.03	11.4	0.235	0.163	8.02	13.2	1.9	524
WE 256		91	3	1	1200	88.9	<0.001	2.66	0.01	5.4	0.34	0.032	8.09	14.3	1.3	607
WE 257		91	3	1	2000	41.9	2.42	8.8	2.05	5.5	1.08	0.42	7.43	15	7	511
WE 258		91	3	2	400	205	0.754	5.6	0.29	7.8	1.25	0.42	7.33	10	4.8	395
WE 259		91	3	2	1600	330	0.266	4.2	0.11	9.1	0.915	0.145	7.44	10.4	3.7	402
WE 260		91	3	3	400	19	0.125	1.58	0.16	12	0.325	0.085	7.55	12.2	2.3	490
WE 261		91	3	3	2000	12.2	0.029	1.14	0.16	12.7	0.079	0.042	7.76	13.6	1.6	541
WE 262		91	3	27	1930	1663	0.4	9.8	0.08	9	3.1	0.22	7.34	10.1	5.1	357
WE 263		91	3	27	2230	377	0.3	3.95	0.07	9.8	1.33	0.26	7.36	11.1	5	369
WE 264		91	3	28	130	2533	0.3	18	0.06	6.9	6.4	0.16	7.12	8.5	4.7	278
WE 265		91	3	28	430	924	0.3	8.92	0.07	8.4	2.7	0.18	7.29	9.4	4.4	328
WE 266		91	3	28	1000	539	0.3	6.14	0.06	9.2	0.04	0.18	7.32	9.6	4.1	358

@ samples too old for analysis

* samples old, suspect

\+ samples exhausted

= small bottle contaminated, large bottle exhausted

NA not available

Pitock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 267	91 3 28	1900	508	0.2	5.06	0.07	9.6	1.72	0.17	7.43	10.5	3.5	382
WE 268	91 3 29	1600	150	0.2	2.71	0.08	9.1	0.77	0.14	7.34	9.3	3.1	369
WE 269	91 4 8	1300	14.2	<0.1	0.71	0.05	8.3	0.07	0.02	8.07	18.5	1.9	620
WE 270	91 4 9	700	12.1	<0.1	1.03	0.08	11.4	0.08	0.03	7.9	18.4	2.7	623
WE 271	91 4 9	1600	3209	<0.1	18.8	0.03	7.9	6.4	<0.01	7.54	15.4	3.3	448
WE 272	91 4 9	1900	399	<0.1	3.76	0.05	12.7	1.06	0.09	7.54	14.7	3.4	520
WE 273	91 4 9	2200	2530	<0.1	16.4	0.03	9	5.6	0.02	7.39	11.8	3.6	403
WE 274	91 4 10	700	53	<0.1	1.5	0.04	14.1	0.3	0.06	7.58	14.3	2.7	548
WE 275	91 4 10	1900	21.3	<0.1	1.12	0.02	13.1	0.11	0.02	7.66	14.5	2.2	566
WE 276	91 5 16	2200	13.6	0.005	0.32	0.03	3.4	0.025	<0.001	8.21	11.5	0.9	614
WE 277	91 5 17	400	18.5	0.006	0.49	0.03	3.3	0.063	<0.001	8.14	11.6	1.2	617
WE 278	91 5 17	1000	2.7	0.006	0.3	0.02	3.6	0.031	<0.001	8.17	15.6	1.3	632
WE 279	91 5 17	1800	3	0.005	0.29	0.01	3.2	0.036	0.022	8.2	11.6	1.2	616
WE 280	91 5 18	600	7.6	0.006	0.32	<0.01	3	0.026	<0.001	8.13	11	1	617
WE 281	91 5 24	1800	38	0.004	0.47	0.05	4.5	0.09	0.021	8.07	11.8	1.4	615
WE 282	91 5 24	2400	1115	0.481	6.65	0.27	14.1	2.2	0.069	7.42	11.8	4.9	427
WE 283	91 5 25	1200	6.8	0.065	0.64	0.1	8	0.074	0.038	7.78	12.7	2.3	622
WE 284	91 5 25	2000	9	0.005	0.59	0.06	6.9	0.106	0.061	8.02	13.1	2.4	620
WE 285	91 5 26	600	252	0.754	2.8	0.35	15.9	0.77	0.137	7.79	21.2	4.5	634
WE 286	91 5 26	1000	34.8	0.927	2.36	0.43	24	0.39	0.177	7.57	18.3	5.5	682
WE 287	91 5 26	2400	7.5	0.299	1.09	0.14	17.5	0.088	0.044	7.83	15.6	2	675
WE 288	91 6 11	800	8.3	0.004	0.33	0.03	2.3	0.029	0.008	7.8	11.4	1.2	610
WE 289	91 6 11	1200	4.7	0.004	0.29	0.03	2.2	0.021	0.005	7.9	11.8	1.2	607
WE 290	91 6 11	2000	4.4	0.004	0.24	0.02	2.2	0.02	0.004	7.84	11.4	1.2	614
WE 291	91 7 5	130	7.6	0.001	0.21	0.03	1.9	0.013	0.007	8.21	9.9	1.4	591
WE 292	91 7 5	330	10.2	<0.001	0.21	0.02	1.9	0.016	0.001	8.17	9.3	1.1	594
WE 293	91 7 5	730	6.1	<0.001	0.15	0.02	1.9	0.011	<0.001	8.18	9.5	1.1	582
WE 293 G	91 7 5	738	3	0.003	0.2	0.02	1.9	0.009	<0.001	8.13	9.5	1.1	612
WE 294	91 7 7	500	5.6	<0.001	0.25	0.03	1.8	0.042	0.008	8.06	9.3	1.3	595

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\+ samples exhausted

= small bottle contaminated, large bottle exhausted

NA not available

Pittock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 295	91 7 7	800	3	0.002	0.22	0.03	2	0.03	<0.001	8.18	9.6	1.2	605
WE 296	91 7 7	1100	6.2	<0.001	0.21	0.03	2	0.029	0.003	8.18	9.8	1.2	607
WE 297	91 7 7	1400	4.7	<0.001	0.21	0.04	1.9	0.029	0.019	8.19	9.6	1.1	604
WE 298	91 7 7	2000	6	<0.001	0.24	0.03	1.8	0.061	0.016	7.97	9.6	1	614
WE 299	91 7 7	2300	6.7	<0.001	0.34	0.03	1.7	0.046	0.033	8.07	9.4	1.4	576
WE 300	91 7 8	200	12.7	<0.001	0.39	0.03	2.5	0.054	0.017	8.13	9.6	1.4	592
WE 301	91 7 8	800	3.3	<0.001	0.23	0.03	2	0.032	<0.001	8.09	9.6	1.1	605
WE 302	91 7 30	200	609	0.032	3	0.07	1.2	1.12	0.032	7.63	6.1	2.8	282
WE 303	91 7 30	600	20.8	0.008	1.25	0.07	5.7	0.2	0.12	7.83	16.8	5.1	506
WE 304	91 7 30	1000	4.8	0.315	0.43	0.17	3.6	0.039	0.014	8.06	125	10.9	584
WE 304 G	91 7 30	1008	4	0.019	0.4	0.03	2.9	0.036	0.01	8.01	12.8	1.5	590
WE 305	91 7 30	1600	3.1	0.018	0.24	0.03	1.9	0.019	0.004	8.08	10	1.1	606
WE 306	91 11 20	1200	3.6	0.07	0.35	0.05	1.3	0.028	0.013	7.94	17.6	1.9	630
WE 307	91 11 20	1900	3.1	0.051	0.31	0.02	1.3	0.023	0.003	7.96	25.7	1.8	665
WE 308	91 11 20	2400	3.7	0.048	0.33	0.02	1.4	0.021	+	7.91	16.7	1.7	641
WE 309	91 11 21	600	3.1	0.046	0.3	0.02	1.5	0.017	0.003	7.93	18.4	1.5	659
WE 310	91 11 21	1400	3.7	0.025	0.23	0.01	1.4	0.015	0.003	7.97	19.7	1.3	666
WE 311	91 11 21	2200	3.4	0.028	0.32	<0.01	1.5	0.029	0.019	7.99	17.8	1.5	659
WE 312	----------not submitted----------												
WE 313	----------not submitted----------												
WE 314	----------not submitted----------												
WE 315	----------not submitted----------												
WE 316	----------not submitted----------												
WE 317	----------not submitted----------												
WE 318	91 12 7	2100	2.4	0.052	0.25	0.01	1.5	0.011	0.002	7.98	27.6	2.2	595
WE 319	91 12 8	500	3.2	0.019	0.45	<0.01	0.5	0.042	0.02	7.92	397	4.3	1680
WE 320	91 12 8	1300	3.7	0.011	0.38	<0.01	0.4	0.032	0.008	7.92	346	3.3	1500
WE 321	91 12 8	1900	8.3	0.215	1.30	0.28	9.9	0.54	0.45	7.9	45.7	2.9	561
WE 322	91 12 9	300	10.8	0.08	1.30	0.05	12.2	0.188	0.175	7.75	18.4	2.3	407

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NA not available

Pitock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 323	91 12 9	1100	9.8	0.044	1.51	0.07	15.2	0.198	0.131	7.86	24.3	3.7	513
WE 324	91 12 9	2100	4.4	0.054	1.23	0.08	13.7	0.164	0.132	8.08	24.1	3.2	535
WE 325	91 12 10	1200	2.5	0.042	0.87	0.07	10.2	0.126	0.106	8.1	24.8	2.4	586
WE 326	91 12 11	300	2.0	0.039	0.55	0.06	6.4	0.068	0.057	8.03	26.4	1.6	636
WE 327	91 12 11	1800	17.0	0.037	0.34	0.03	2.3	0.02	0.016	8.04	30.0	1.5	704
WE 328	91 12 12	900	5.4	0.058	1.29	0.08	13.8	0.208	0.176	8.05	24.9	3.5	535
WE 329	91 12 13	100	5.2	0.029	0.27	0.03	1.8	0.021	0.006	7.86	16.0	1.4	657
WE 330	92 2 19	1400	15.7	1.05	3.14	0.42	14.7	0.286	0.083	7.35	19.6	4.1	502
WE 331	92 2 19	1800	7.6	0.209	1.2	0.02	18.6	0.138	0.056	7.66	19.2	3.3	479
WE 332	92 2 19	2400	6.8	0.227	1.2	0.04	19.6	0.117	0.055	7.78	21.5	3.3	517
WE 333	92 2 20	1200	3.9	0.141	0.98	0.02	20.4	0.083	0.052	7.82	23.3	2.9	548
WE 334	92 2 20	2200	4.6	0.271	1.2	0.04	20	0.089	0.02	7.87	23.7	3.2	565
WE 335	92 2 21	1000	4.3	0.158	0.88	0.04	20.8	0.075	0.026	7.88	25.7	2.9	580
WE 336	92 3 3	500	+	0.241	1.55	1.34	20.6	0.132	0.006	7.71	23.2	3.5	593
WE 337	92 3 3	1700	6.5	0.826	3.05	+	+	0.31	0.035	7.3	24.2	4.2	615
WE 338	92 3 3	2300	9.4	0.091	1.86	<0.1	17	0.171	0.001	7.34	20.2	3.6	549
WE 339	92 3 4	700	3.6	0.064	0.9	0.5	21	0.063	0.001	7.38	22.7	2.9	588
WE 340	92 3 4	1600	7.4	0.621	1.75	1.84	17.1	0.275	0.028	7.13	21.9	4	571
WE 341	92 3 4	2200	11.7	0.103	1.92	1.51	18.7	0.182	0.003	7.11	19.2	3.5	526
WE 342	92 3 5	700	4.6	0.041	0.87	0.3	22	0.063	<0.001	7.35	21.1	2.8	555
WE 343	92 3 6	1600	4.4	0.112	1.14	+	+	0.115	0.033	7.5	20.3	2.9	541
WE 344	92 3 6	2000	5	0.044	1.07	<0.05	9.5	0.097	0.036	7.41	18.2	3.3	504
WE 345	92 3 7	400	10.6	0.041	1.42	0.05	10.5	0.136	0.04	7.41	19.5	3.2	516
WE 346	92 3 7	1200	6.4	0.007	1.01	0.05	9.5	0.081	0.015	7.47	18.1	3	506
WE 347	92 3 7	2000	7.5	0.034	0.92	0.1	10.4	0.102	0.024	7.5	17.9	3	502
WE 348	92 3 8	600	6.7	0.032	0.91	0.15	10.3	0.081	0.028	7.56	18.5	2.8	504
WE 349	92 3 9	1200	4.4	<0.001	0.87	0.4	19.1	0.072	0.024	7.77	19.5	3.2	462
WE 350	92 3 9	1600	7.8	0.038	0.86	0.28	16.8	0.102	0.09	7.84	15.9	2.6	384
WE 351	92 3 9	2400	6	<0.001	1.01	0.3	17	0.119	0.077	7.78	16.5	2.3	390

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Pittock Control Watershed

Water Quality Data

Sample #	Date (YY MM DD)	Time (h)	TSS	Ammonia	TKN	Nitrite	Nitrate	TP	FRP	pH	Cl	K	Cond.
WE 352	92 3 10	800	5.5	<0.001	0.95	0.24	18	0.119	0.072	7.7	21.3	2.3	391
WE 353	92 3 10	1400	6.7	<0.001	1.01	0.25	17.1	0.144	0.081	7.61	17.6	3.4	394
WE 354	92 3 10	1800	8.8	<0.001	1.18	0.2	18.5	0.12	0.059	7.67	18.1	3.3	415
WE 355	92 3 10	2400	5.4	0.014	1.06	0.11	9.7	0.079	0.026	7.73	18.6	2.1	429
WE 356	92 3 11	600	+	0.024	1.09	0.11	6.5	0.06	0.025	7.73	18.8	2.1	458
WE 357 G	92 4 10	1605	2.7	0.009	0.63	0.09	6.5	0.04	0.01	7.77	16.1	1.3	608
WE 358	92 4 10	2400	1.9	0.008	0.64	0.09	6.6	0.073	0.053	8.2	16.1	1.2	607
WE 359	92 4 11	600	1.6	0.024	0.61	0.09	7.1	0.108	0.093	8.16	16.9	1.3	606
WE 360	92 4 11	900	2.9	0.025	0.65	0.1	7.9	0.073	0.059	8.18	18.7	1.4	610
WE 361	92 4 11	1200	4	0.189	1.72	0.21	10.9	0.344	0.255	7.93	34.3	7.2	635
WE 362	92 4 11	1400	5.7	0.114	1.46	0.42	12.9	0.275 @	0.207	7.95	29.3	5.6	588
WE 363	92 4 11	1800	3.8	0.004	0.92	0.18	14.9	0.103	0.057	8.07	23	3.1	587
WE 364	92 4 11	2100	3.9	0.016	1.06	0.15	15	0.084	0.052	8.09	22.8	2.6	586
WE 365	92 4 16	600	3.7	0.033	0.73	0.05	10.3	0.084	0.06	8.11	21.3	1.7	599
WE 366	92 4 16	1300	na	0.315	1.73	0.25	17.4	0.32 @	0.245	7.65	30.4	6	545
WE 366 G	92 4 16	1300	185	0.402	2.94	1.1	178	0.69 @	0.224	7.25	28.2	5.6	541
WE 367	92 4 16	1700	13.2	0.125	1.12	0.25	20.2	0.192 @	0.111	7.77	21.6	3.8	521
WE 368	92 4 16	1900	272	0.017	3.35	0.13	16.9	0.79	0.091	7.57	21.1	4.2	459
WE 369	92 4 16	2100	191	0.009	2.7	0.13	18.6	0.605	0.094	7.58	17.8	4.1	440
WE 370	92 4 17	100	50.5	0.023	1.72	0.15	20.9	0.338	0.098	7.67	18.2	3.3	477
WE 371	92 4 17	500	38.2	0.026	1.64	0.15	22.4	0.262	0.117	7.58	18.1	3.5	482
WE 372	92 5 30	600	4.2	0.023 *	0.3 *	0.01 *	3.3 *	0.033	0.007	@	13.9	1.2	610
WE 373	92 5 30	1400	3.4	0.05 *	0.27 *	0.01 *	3.2 *	0.036	0.023	@	13.9	1.1	613
WE 374	92 5 30	2200	3.1	0.026 *	0.32 *	0.01 *	3.2 *	0.04	0.024	@	13.6	1.1	614
WE 375	92 5 31	400	3	0.003 *	0.29 *	0.01 *	3.4 *	0.035	0.017	@	14	1.1	620
WE 376	92 5 31	1200	3.4	<0.001 *	0.32 *	0.01 *	3.7 *	0.046	0.029	@	14.2	1.1	617

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NA not available

SEASON STATISTICAL SUMMARIES
OF WATER QUALITY DATA

Statistical Summary January - March 1989

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	18	18	9	9	32	35
Average	195.2	178.1	34.3	17.9	92.1	150.8
Median	14.3	26.2	26.7	14.4	39.0	80.6
Standard Deviation	416.6	370.9	29.4	15.9	128.8	257.0
Minimum	2.5	4.9	4.0	1.3	2.5	2.5
Maximum	1641.0	1389.0	94.3	51.4	479.0	1469.0
Lower Quartile	9.9	13.1	21.1	10.2	12.6	23.2
Upper Quartile	107.6	59.8	31.4	20.8	101.0	191.5
Coeff. of Variation	2.1	2.1	0.9	0.9	1.4	1.7
Total Phosphorus (mg/L)						
Sample Size	18	18	9	9	32	35
Average	0.460	0.542	0.199	0.131	0.363	0.809
Median	0.103	0.125	0.180	0.130	0.315	0.610
Standard Deviation	0.643	0.936	0.085	0.061	0.255	0.624
Minimum	0.047	0.070	0.100	0.060	0.076	0.062
Maximum	1.900	3.380	0.340	0.260	0.980	2.800
Lower Quartile	0.073	0.100	0.132	0.099	0.188	0.355
Upper Quartile	0.525	0.293	0.240	0.150	0.460	1.170
Coeff. of Variation	1.397	1.725	0.425	0.468	0.701	0.772
Filtered Reactive Phosphorus (mg/L)						
Sample Size	18	18	9	8	32	34
Average	0.024	0.018	0.058	0.023	0.096	0.338
Median	0.017	0.008	0.042	0.013	0.090	0.205
Standard Deviation	0.017	0.022	0.031	0.019	0.064	0.351
Minimum	0.001	0.001	0.034	0.007	0.011	0.036
Maximum	0.071	0.085	0.126	0.056	0.240	1.260
Lower Quartile	0.012	0.007	0.038	0.008	0.048	0.075
Upper Quartile	0.034	0.019	0.064	0.037	0.128	0.497
Coeff. of Variation	0.713	1.226	0.529	0.830	0.674	1.038

Statistical Summary April - June 1989

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	72	71	57	62	21	21
Average	510.5	439.7	137.1	23.3	14.1	88.3
Median	120.5	130.0	32.3	11.6	4.0	3.4
Standard Deviation	946.1	648.8	261.6	29.3	25.7	350.1
Minimum	5.0	2.5	2.5	2.5	2.5	2.5
Maximum	5793.0	3006.0	1213.0	166.0	113.0	1611.0
Lower Quartile	47.5	46.4	14.6	7.2	2.5	2.5
Upper Quartile	663.8	618.0	109.0	29.4	8.8	7.5
Coeff. of Variation	1.9	1.5	1.9	1.3	1.8	4.0
Total Phosphorus (mg/L)						
Sample Size	59	69	57	62	21	21
Average	0.909	0.645	0.324	0.275	0.158	0.249
Median	0.520	0.368	0.130	0.180	0.150	0.050
Standard Deviation	0.990	0.657	0.437	0.260	0.129	0.755
Minimum	0.024	0.026	0.033	0.051	0.011	0.010
Maximum	5.090	2.800	1.970	1.190	0.490	3.500
Lower Quartile	0.220	0.170	0.072	0.131	0.043	0.030
Upper Quartile	1.290	0.970	0.375	0.300	0.210	0.096
Coeff. of Variation	1.090	1.020	1.351	0.943	0.817	3.032
Filtered Reactive Phosphorus (mg/L)						
Sample Size	59	71	58	62	21	21
Average	0.039	0.028	0.026	0.147	0.027	0.020
Median	0.033	0.020	0.020	0.098	0.010	0.005
Standard Deviation	0.041	0.027	0.023	0.161	0.030	0.024
Minimum	0.001	0.001	0.001	0.011	0.001	0.005
Maximum	0.250	0.125	0.082	0.700	0.090	0.080
Lower Quartile	0.005	0.005	0.005	0.047	0.005	0.005
Upper Quartile	0.051	0.044	0.040	0.147	0.040	0.019
Coeff. of Variation	1.049	0.970	0.903	1.095	1.087	1.212

Statistical Summary July - September 1989

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	13	7	8	8	13	13
Average	235.3	153.1	634.7	1345.1	29.0	11.5
Median	102.0	171.0	437.5	693.9	9.6	2.5
Standard Deviation	302.4	53.5	723.1	1578.8	65.3	27.4
Minimum	29.2	54.8	9.3	8.7	2.9	2.5
Maximum	1122.0	221.0	1728.0	3694.0	245.0	102.0
Lower Quartile	58.8	131.5	21.5	14.0	4.8	2.5
Upper Quartile	263.0	181.0	999.5	2568.8	16.0	3.2
Coeff. of Variation	1.3	0.3	1.1	1.2	2.3	2.4
Total Phosphorus (mg/L)						
Sample Size	13	7	8	8	13	13
Average	0.458	0.209	1.357	2.348	0.297	0.126
Median	0.280	0.230	1.120	1.790	0.290	0.070
Standard Deviation	0.542	0.121	1.305	2.380	0.179	0.103
Minimum	0.030	0.020	0.090	0.090	0.100	0.040
Maximum	2.020	0.380	3.080	5.550	0.630	0.400
Lower Quartile	0.120	0.135	0.225	0.153	0.120	0.050
Upper Quartile	0.440	0.280	2.293	4.342	0.410	0.160
Coeff. of Variation	1.184	0.578	0.961	1.014	0.602	0.813
Filtered Reactive Phosphorus (mg/L)						
Sample Size	13	7	8	8	13	13
Average	0.049	0.007	0.037	0.085	0.050	0.018
Median	0.050	0.005	0.025	0.085	0.030	0.005
Standard Deviation	0.041	0.006	0.039	0.033	0.049	0.022
Minimum	0.005	0.005	0.005	0.030	0.005	0.005
Maximum	0.140	0.020	0.120	0.120	0.130	0.080
Lower Quartile	0.030	0.005	0.016	0.068	0.005	0.005
Upper Quartile	0.060	0.005	0.040	0.112	0.100	0.030
Coeff. of Variation	0.830	0.794	1.043	0.383	0.981	1.208

Statistical Summary October - December 1989

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	14	14	21	21	39	32
Average	102.4	231.2	182.1	26.5	15.6	116.7
Median	54.0	175.5	54.9	26.1	6.4	2.5
Standard Deviation	126.5	320.3	272.1	18.9	24.5	304.0
Minimum	6.7	4.5	2.5	4.6	1.7	0.8
Maximum	393.0	1264.0	965.0	62.4	129.0	1511.0
Lower Quartile	22.8	17.2	27.0	10.0	4.9	2.5
Upper Quartile	111.2	275.2	149.0	39.4	14.9	22.7
Coeff. of Variation	1.2	1.4	1.5	0.7	1.6	2.6
Total Phosphorus (mg/L)						
Sample Size	14	14	21	21	39	32
Average	0.278	0.341	0.598	0.736	0.359	0.476
Median	0.170	0.280	0.330	0.350	0.200	0.040
Standard Deviation	0.235	0.313	0.563	0.957	0.307	0.876
Minimum	0.070	0.070	0.070	0.090	0.030	0.020
Maximum	0.850	1.280	1.850	3.440	1.030	4.160
Lower Quartile	0.122	0.123	0.150	0.170	0.125	0.020
Upper Quartile	0.387	0.445	0.990	0.510	0.585	0.390
Coeff. of Variation	0.844	0.917	0.942	1.301	0.855	1.841
Filtered Reactive Phosphorus (mg/L)						
Sample Size	14	14	21	21	39	32
Average	0.038	0.027	0.090	0.393	0.202	0.108
Median	0.030	0.015	0.070	0.140	0.120	0.010
Standard Deviation	0.035	0.027	0.057	0.632	0.207	0.158
Minimum	0.005	0.005	0.030	0.010	0.005	0.005
Maximum	0.100	0.090	0.200	2.290	0.810	0.540
Lower Quartile	0.005	0.005	0.040	0.060	0.030	0.005
Upper Quartile	0.060	0.040	0.110	0.290	0.325	0.190
Coeff. of Variation	0.917	0.985	0.631	1.606	1.026	1.460

Statistical Summary January - March 1990

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	24	24	28	28	29	33
Average	102.3	79.8	363.8	45.0	71.1	102.3
Median	82.4	69.9	264.5	10.9	52.8	67.3
Standard Deviation	78.4	47.7	259.6	73.7	67.8	100.9
Minimum	13.1	13.6	6.1	2.5	1.5	1.6
Maximum	345.0	205.0	965.0	296.0	331.0	421.0
Lower Quartile	56.5	40.5	176.2	6.5	31.9	34.4
Upper Quartile	118.0	103.8	468.8	36.0	102.0	129.0
Coeff. of Variation	0.8	0.6	0.7	1.6	1.0	1.0
Total Phosphorus (mg/L)						
Sample Size	24	24	28	28	29	33
Average	0.382	0.321	0.661	0.256	0.564	1.435
Median	0.409	0.340	0.480	0.195	0.440	0.970
Standard Deviation	0.146	0.141	0.465	0.205	0.388	2.021
Minimum	0.070	0.050	0.130	0.040	0.070	0.080
Maximum	0.660	0.600	2.000	0.850	1.500	12.100
Lower Quartile	0.268	0.188	0.382	0.130	0.290	0.640
Upper Quartile	0.460	0.425	0.822	0.278	0.740	1.610
Coeff. of Variation	0.384	0.439	0.704	0.801	0.688	1.408
Filtered Reactive Phosphorus (mg/L)						
Sample Size	24	24	28	28	29	33
Average	0.068	0.043	0.046	0.062	0.254	0.713
Median	0.050	0.035	0.040	0.060	0.190	0.440
Standard Deviation	0.074	0.029	0.021	0.031	0.223	1.264
Minimum	0.005	0.010	0.020	0.005	0.020	0.030
Maximum	0.310	0.140	0.100	0.120	0.720	7.510
Lower Quartile	0.010	0.027	0.030	0.040	0.060	0.240
Upper Quartile	0.082	0.050	0.060	0.080	0.380	0.830
Coeff. of Variation	1.102	0.688	0.455	0.499	0.876	1.773

Statistical Summary April - June 1990

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	42	42	71	70	41	36
Average	226.8	158.8	282.4	152.5	15.9	25.2
Median	83.4	86.2	176.0	58.9	4.2	3.7
Standard Deviation	311.4	158.5	460.5	319.4	56.1	92.3
Minimum	12.2	10.7	2.4	3.6	1.2	0.1
Maximum	1226.0	559.0	3125.0	2266.0	361.0	548.0
Lower Quartile	34.2	39.4	43.0	25.4	3.1	2.4
Upper Quartile	250.8	257.5	313.0	162.2	8.2	7.3
Coeff. of Variation	1.4	1.0	1.6	2.1	3.5	3.7
Total Phosphorus (mg/L)						
Sample Size	42	42	78	69	39	35
Average	0.605	0.493	0.910	0.380	0.129	0.141
Median	0.410	0.425	0.340	0.240	0.060	0.060
Standard Deviation	0.598	0.408	2.196	0.365	0.178	0.276
Minimum	0.048	0.040	0.010	0.033	0.005	0.005
Maximum	2.200	1.340	15.900	1.810	0.750	1.470
Lower Quartile	0.117	0.102	0.166	0.152	0.035	0.015
Upper Quartile	0.880	0.775	0.772	0.520	0.132	0.096
Coeff. of Variation	0.990	0.828	2.414	0.960	1.379	1.960
Filtered Reactive Phosphorus (mg/L)						
Sample Size	41	42	77	69	41	35
Average	0.033	0.009	0.046	0.058	0.053	0.065
Median	0.030	0.005	0.030	0.041	0.035	0.028
Standard Deviation	0.030	0.010	0.055	0.053	0.059	0.095
Minimum	0.001	0.001	0.001	0.001	0.005	0.003
Maximum	0.122	0.038	0.310	0.250	0.240	0.418
Lower Quartile	0.007	0.004	0.010	0.013	0.005	0.005
Upper Quartile	0.052	0.012	0.070	0.098	0.077	0.060
Coeff. of Variation	0.898	1.035	1.190	0.901	1.120	1.459

Statistical Summary July - September 1990

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	36	36	35	35	26	22
Average	313.0	127.9	393.5	274.0	18.8	12.9
Median	99.1	94.8	159.0	89.2	11.5	8.1
Standard Deviation	650.4	127.7	522.4	429.6	16.0	10.9
Minimum	15.0	6.1	4.4	8.0	3.0	3.0
Maximum	3462.0	533.0	1917.0	1828.0	69.8	37.9
Lower Quartile	58.8	39.0	53.4	47.0	7.7	3.5
Upper Quartile	236.2	151.5	540.0	248.0	27.1	19.6
Coeff. of Variation	2.1	1.0	1.3	1.6	0.9	0.8
Total Phosphorus (mg/L)						
Sample Size	36	36	30	35	26	22
Average	0.748	0.402	0.861	0.674	0.297	0.176
Median	0.420	0.405	0.574	0.350	0.180	0.051
Standard Deviation	1.239	0.231	0.911	0.822	0.302	0.242
Minimum	0.086	0.094	0.048	0.086	0.026	0.012
Maximum	6.800	0.980	3.400	3.400	1.510	0.900
Lower Quartile	0.284	0.236	0.124	0.153	0.125	0.018
Upper Quartile	0.539	0.484	1.322	0.795	0.409	0.240
Coeff. of Variation	1.657	0.574	1.057	1.219	1.016	1.380
Filtered Reactive Phosphorus (mg/L)						
Sample Size	36	35	35	35	26	21
Average	0.102	0.085	0.282	0.106	0.153	0.082
Median	0.070	0.049	0.108	0.092	0.114	0.015
Standard Deviation	0.130	0.087	0.444	0.078	0.140	0.120
Minimum	0.006	0.001	0.004	0.002	0.003	0.001
Maximum	0.700	0.350	1.790	0.300	0.670	0.467
Lower Quartile	0.021	0.019	0.034	0.040	0.068	0.005
Upper Quartile	0.126	0.135	0.320	0.147	0.189	0.148
Coeff. of Variation	1.276	1.024	1.572	0.741	0.918	1.467

Statistical Summary October - December 1990

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	15	17	38	42	32	33
Average	130.6	136.3	283.0	181.9	55.1	42.5
Median	102.0	79.1	148.0	133.0	53.6	25.3
Standard Deviation	91.5	112.8	270.4	153.0	43.3	40.7
Minimum	47.0	20.3	26.4	18.0	2.2	6.7
Maximum	395.0	423.0	1090.0	662.0	202.0	162.0
Lower Quartile	72.6	59.8	102.8	71.2	24.4	14.3
Upper Quartile	141.0	189.0	417.5	234.0	64.9	58.9
Coeff. of Variation	0.7	0.8	1.0	0.8	0.8	1.0
Total Phosphorus (mg/L)						
Sample Size	16	18	38	42	32	33
Average	0.387	0.380	0.903	0.637	0.176	0.217
Median	0.355	0.348	0.582	0.565	0.101	0.131
Standard Deviation	0.207	0.197	1.276	0.403	0.154	0.191
Minimum	0.046	0.044	0.029	0.091	0.031	0.047
Maximum	0.800	0.700	7.550	1.720	0.595	0.790
Lower Quartile	0.267	0.296	0.168	0.303	0.069	0.096
Upper Quartile	0.465	0.520	1.277	0.868	0.236	0.250
Coeff. of Variation	0.535	0.518	1.414	0.632	0.874	0.883
Filtered Reactive Phosphorus (mg/L)						
Sample Size	14	10	38	42	32	32
Average	0.058	0.051	0.080	0.117	0.040	0.074
Median	0.021	0.023	0.098	0.102	0.014	0.067
Standard Deviation	0.085	0.083	0.059	0.078	0.050	0.047
Minimum	0.005	0.004	0.001	0.001	0.001	0.001
Maximum	0.300	0.277	0.248	0.345	0.195	0.183
Lower Quartile	0.009	0.012	0.026	0.072	0.004	0.046
Upper Quartile	0.067	0.030	0.124	0.161	0.058	0.091
Coeff. of Variation	1.468	1.632	0.731	0.667	1.244	0.634

Statistical Summary January - March 1991

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	9	8	16	16	17	17
Average	175.6	176.4	615.7	920.0	316.4	436.1
Median	110.0	91.0	420.0	253.5	55.3	150.0
Standard Deviation	124.6	186.9	626.3	1440.4	551.2	692.7
Minimum	74.1	26.6	4.9	17.7	8.5	2.8
Maximum	433.0	561.0	1879.0	5621.0	1849.0	2533.0
Lower Quartile	83.8	74.5	155.7	117.4	17.2	12.2
Upper Quartile	274.0	200.5	790.5	1144.2	300.0	508.0
Coeff. of Variation	0.7	1.1	1.0	1.6	1.7	1.6
Total Phosphorus (mg/L)						
Sample Size	9	8	16	16	17	17
Average	0.524	0.546	1.193	1.390	0.791	1.198
Median	0.525	0.273	0.837	0.783	0.320	0.770
Standard Deviation	0.359	0.522	1.165	1.488	1.256	1.633
Minimum	0.160	0.091	0.043	0.097	0.040	0.023
Maximum	1.250	1.400	3.900	4.700	4.300	6.400
Lower Quartile	0.205	0.168	0.343	0.303	0.115	0.079
Upper Quartile	0.625	0.919	1.615	2.200	0.910	1.330
Coeff. of Variation	0.684	0.955	0.977	1.070	1.588	1.363
Filtered Reactive Phosphorus (mg/L)						
Sample Size	9	8	16	16	17	17
Average	0.042	0.019	0.051	0.048	0.088	0.157
Median	0.028	0.025	0.054	0.043	0.090	0.160
Standard Deviation	0.050	0.011	0.032	0.030	0.053	0.125
Minimum	0.001	0.001	0.001	0.014	0.005	0.013
Maximum	0.170	0.028	0.130	0.143	0.200	0.420
Lower Quartile	0.023	0.011	0.027	0.031	0.064	0.042
Upper Quartile	0.033	0.026	0.069	0.056	0.110	0.180
Coeff. of Variation	1.201	0.566	0.638	0.623	0.603	0.795

Statistical Summary April - June 1991

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	23	20	24	19	22	22
Average	317.8	237.6	104.9	138.8	141.7	352.9
Median	96.5	103.2	43.6	125.0	17.5	13.9
Standard Deviation	551.8	385.7	157.8	132.3	310.0	857.2
Minimum	9.6	9.6	5.9	10.1	4.1	2.7
Maximum	2630.0	1666.0	718.0	584.0	1381.0	3209.0
Lower Quartile	65.7	21.1	18.1	55.6	10.5	7.5
Upper Quartile	346.5	244.8	132.5	156.5	81.6	49.2
Coeff. of Variation	1.7	1.6	1.5	1.0	2.2	2.4
Total Phosphorus (mg/L)						
Sample Size	25	20	24	19	22	22
Average	1.031	0.389	0.300	0.512	0.472	0.799
Median	0.315	0.266	0.099	0.348	0.183	0.084
Standard Deviation	1.316	0.356	0.427	0.446	0.742	1.761
Minimum	0.029	0.029	0.018	0.083	0.037	0.020
Maximum	4.750	1.220	1.650	1.650	3.200	6.400
Lower Quartile	0.230	0.104	0.068	0.265	0.085	0.032
Upper Quartile	1.140	0.623	0.410	0.565	0.380	0.368
Coeff. of Variation	1.276	0.916	1.422	0.870	1.571	2.203
Filtered Reactive Phosphorus (mg/L)						
Sample Size	25	21	23	18	22	22
Average	0.073	0.035	0.052	0.177	0.050	0.038
Median	0.056	0.007	0.028	0.125	0.029	0.021
Standard Deviation	0.077	0.092	0.051	0.219	0.060	0.046
Minimum	0.001	0.001	0.001	0.001	0.001	0.001
Maximum	0.290	0.425	0.195	0.830	0.192	0.177
Lower Quartile	0.025	0.005	0.008	0.090	0.005	0.005
Upper Quartile	0.080	0.018	0.085	0.140	0.067	0.056
Coeff. of Variation	1.055	2.614	0.985	1.239	1.188	1.221

Statistical Summary July - September 1991

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	0	0	4	0	15	16
Average	0.0	0.0	861.0	0.0	21.1	44.5
Median	0.0	0.0	504.5	0.0	13.5	6.1
Standard Deviation	0.0	0.0	911.2	0.0	19.2	150.6
Minimum	0.0	0.0	230.0	0.0	4.9	3.0
Maximum	0.0	0.0	2205.0	0.0	67.0	609.0
Lower Quartile	0.0	0.0	341.0	0.0	8.2	4.3
Upper Quartile	0.0	0.0	1024.5	0.0	25.5	8.2
Coeff. of Variation	0.0	0.0	1.1	0.0	0.9	3.4
Total Phosphorus (mg/L)						
Sample Size	0	0	4	0	15	16
Average	0.000	0.000	1.298	0.000	0.329	0.109
Median	0.000	0.000	1.020	0.000	0.260	0.031
Standard Deviation	0.000	0.000	0.785	0.000	0.298	0.273
Minimum	0.000	0.000	0.700	0.000	0.059	0.009
Maximum	0.000	0.000	2.450	0.000	1.100	1.120
Lower Quartile	0.000	0.000	0.895	0.000	0.179	0.018
Upper Quartile	0.000	0.000	1.423	0.000	0.280	0.048
Coeff. of Variation	0.000	0.000	0.605	0.000	0.907	2.498
Filtered Reactive Phosphorus (mg/L)						
Sample Size	0	0	4	0	15	16
Average	0.000	0.000	0.065	0.000	0.122	0.017
Median	0.000	0.000	0.060	0.000	0.147	0.008
Standard Deviation	0.000	0.000	0.014	0.000	0.122	0.029
Minimum	0.000	0.000	0.054	0.000	0.001	0.001
Maximum	0.000	0.000	0.085	0.000	0.460	0.120
Lower Quartile	0.000	0.000	0.056	0.000	0.027	0.001
Upper Quartile	0.000	0.000	0.070	0.000	0.167	0.018
Coeff. of Variation	0.000	0.000	0.218	0.000	1.000	1.690

Statistical Summary October - December 1991

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	21	21	31	9	18	18
Average	93.3	54.9	34.4	42.2	8.1	5.3
Median	59.3	15.6	33.4	24.2	4.9	3.7
Standard Deviation	111.0	67.6	23.7	39.2	7.4	3.9
Minimum	17.6	6.1	3.0	7.6	0.8	2.0
Maximum	474.0	228.0	89.6	132.0	23.4	17.0
Lower Quartile	39.2	11.6	14.6	19.3	2.0	3.1
Upper Quartile	100.0	70.8	56.0	48.1	12.4	5.3
Coeff. of Variation	1.2	1.2	0.7	0.9	0.9	0.7
Total Phosphorus (mg/L)						
Sample Size	15	21	26	7	18	18
Average	0.215	0.212	0.185	0.191	0.321	0.097
Median	0.236	0.142	0.195	0.149	0.227	0.031
Standard Deviation	0.064	0.172	0.098	0.109	0.291	0.131
Minimum	0.096	0.050	0.036	0.078	0.062	0.011
Maximum	0.302	0.615	0.380	0.370	1.000	0.540
Lower Quartile	0.164	0.098	0.095	0.119	0.080	0.021
Upper Quartile	0.256	0.315	0.259	0.250	0.490	0.155
Coeff. of Variation	0.297	0.808	0.532	0.569	0.909	1.350
Filtered Reactive Phosphorus (mg/L)						
Sample Size	21	21	31	9	18	17
Average	0.091	0.038	0.072	0.086	0.150	0.078
Median	0.088	0.041	0.071	0.079	0.137	0.019
Standard Deviation	0.055	0.025	0.036	0.040	0.121	0.115
Minimum	0.022	0.001	0.032	0.023	0.002	0.002
Maximum	0.230	0.081	0.214	0.167	0.370	0.450
Lower Quartile	0.054	0.017	0.043	0.063	0.053	0.006
Upper Quartile	0.115	0.052	0.087	0.102	0.245	0.131
Coeff. of Variation	0.602	0.664	0.499	0.466	0.807	1.482

Statistical Summary January - March 1992

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	30	30	27	26	27	25
Average	154.9	180.9	277.4	75.9	7.5	6.9
Median	142.5	104.5	72.1	28.5	5.8	6.5
Standard Deviation	123.5	204.7	715.7	119.0	5.4	2.8
[illegible]imum	21.2	16.5	6.5	2.5	2.2	3.6
imum	497.0	934.0	3417.0	494.0	30.4	15.7
er Quartile	60.4	73.6	19.1	13.4	4.6	4.6
er Quartile	197.2	171.8	158.5	64.0	9.0	7.6
ff. of Variation	0.8	1.1	2.6	1.6	0.7	0.4
Total Phosphorus (mg/L)						
Sample Size	30	30	28	27	22	27
Average	0.521	0.636	0.505	0.259	0.110	0.126
Median	0.490	0.535	0.238	0.196	0.109	0.115
Standard Deviation	0.400	0.538	0.917	0.248	0.029	0.067
Minimum	0.053	0.058	0.058	0.038	0.054	0.060
Maximum	1.630	2.100	4.320	1.080	0.155	0.310
Lower Quartile	0.196	0.229	0.134	0.110	0.096	0.081
Upper Quartile	0.683	0.788	0.445	0.256	0.130	0.137
Coeff. of Variation	0.768	0.845	1.815	0.958	0.262	0.531
Filtered Reactive Phosphorus (mg/L)						
Sample Size	29	30	28	27	27	27
Average	0.035	0.036	0.061	0.064	0.054	0.037
Median	0.022	0.024	0.059	0.058	0.052	0.028
Standard Deviation	0.030	0.047	0.027	0.039	0.024	0.027
Minimum	0.002	0.001	0.010	0.017	0.001	0.001
Maximum	0.116	0.267	0.159	0.223	0.101	0.090
Lower Quartile	0.013	0.015	0.040	0.044	0.038	0.022
Upper Quartile	0.047	0.041	0.073	0.071	0.065	0.056
Coeff. of Variation	0.857	1.312	0.449	0.620	0.434	0.728

Statistical Summary April - June 1992

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	16	16	15	15	20	20
Average	263.6	252.9	1034.5	651.1	61.6	39.9
Median	151.0	115.0	132.0	63.7	3.3	3.8
Standard Deviation	253.6	310.8	1896.9	1243.8	116.6	78.6
Minimum	17.1	17.8	2.4	2.5	1.5	1.6
Maximum	830.0	1055.0	7132.0	3840.0	429.0	272.0
Lower Quartile	38.2	68.1	20.0	11.4	2.7	3.1
Upper Quartile	474.5	305.0	1074.0	252.0	73.4	19.5
Coeff. of Variation	1.0	1.2	1.8	1.9	1.9	2.0
Total Phosphorus (mg/L)						
Sample Size	13	16	15	11	17	17
Average	0.596	0.782	1.917	0.150	0.201	0.182
Median	0.480	0.548	0.350	0.121	0.049	0.084
Standard Deviation	0.495	0.662	3.152	0.117	0.352	0.221
Minimum	0.066	0.037	0.010	0.016	0.020	0.033
Maximum	1.550	2.100	11.100	0.324	1.200	0.790
Lower Quartile	0.131	0.251	0.063	0.054	0.034	0.040
Upper Quartile	1.020	1.213	2.055	0.261	0.088	0.262
Coeff. of Variation	0.829	0.847	1.645	0.781	1.748	1.216
Filtered Reactive Phosphorus (mg/L)						
Sample Size	17	16	15	15	20	20
Average	0.025	0.033	0.028	0.054	0.099	0.085
Median	0.034	0.031	0.031	0.044	0.048	0.060
Standard Deviation	0.017	0.037	0.016	0.039	0.155	0.074
Minimum	0.002	0.001	0.001	0.001	0.001	0.007
Maximum	0.046	0.143	0.046	0.124	0.600	0.255
Lower Quartile	0.006	0.004	0.023	0.035	0.008	0.028
Upper Quartile	0.038	0.038	0.039	0.073	0.106	0.101
Coeff. of Variation	0.678	1.103	0.568	0.715	1.568	0.864

YEARLY STATISTICAL SUMMARIES
OF WATER QUALITY DATA

TABLE C.1: STATISTICAL SUMMARY OF SWEEP PWS SUB-WATERSHEDS - WATER QUALITY CONCENTRATION DATA (TOTAL SUSPENDED SOLIDS AND PHOSPHORUS) - JANUARY - DECEMBER 1989

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	117	110	95	97	105	101
Average	382.6	352.1	179.2	131.8	40.3	109.1
Median	89.5	112.5	35.0	14.1	9.0	8.4
Standard Deviation	782.4	564.5	341.0	562.2	83.6	278.7
Minimum	2.5	2.5	2.5	1.3	1.7	0.8
Maximum	5793.0	3006.0	1728.0	3694.0	479.0	1611.0
Lower Quartile	29.9	31.4	15.4	7.9	4.1	2.5
Upper Quartile	375.0	324.5	140.5	34.2	30.2	83.2
Coeff. of Variation	2.0	1.6	1.9	4.3	2.1	2.6
Total Phosphorus (mg/L)						
Sample Size	104	110	95	97	105	101
Average	0.690	0.625	0.460	0.461	0.313	0.499
Median	0.316	0.315	0.180	0.180	0.210	0.170
Standard Deviation	0.853	0.820	0.632	0.909	0.259	0.742
Minimum	0.024	0.020	0.033	0.051	0.011	0.010
Maximum	5.090	4.500	3.080	5.550	1.030	4.160
Lower Quartile	0.128	0.122	0.090	0.113	0.130	0.040
Upper Quartile	1.005	0.756	0.495	0.350	0.450	0.610
Coeff. of Variation	1.237	1.311	1.375	1.971	0.830	1.487
Filtered Reactive Phosphorus (mg/L)						
Sample Size	104	110	96	96	105	99
Average	0.038	0.025	0.044	0.136	0.116	0.157
Median	0.030	0.014	0.035	0.090	0.060	0.040
Standard Deviation	0.037	0.026	0.043	0.161	0.150	0.261
Minimum	0.001	0.001	0.001	0.007	0.001	0.005
Maximum	0.250	0.125	0.200	0.900	0.810	1.260
Lower Quartile	0.010	0.005	0.013	0.043	0.020	0.005
Upper Quartile	0.050	0.040	0.060	0.146	0.150	0.200
Coeff. of Variation	0.992	1.040	0.989	1.185	1.292	1.664

TABLE C.2: STATISTICAL SUMMARY OF SWEEP PWS SUB-WATERSHEDS - WATER QUALITY CONCENTRATION DATA (TOTAL SUSPENDED SOLIDS AND PHOSPHORUS) - JANUARY - DECEMBER 1990

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	117	119	172	175	128	124
Average	215.5	130.3	318.4	166.3	38.8	48.1
Median	92.2	85.1	186.5	69.6	16.9	17.0
Standard Deviation	413.1	128.6	412.1	296.2	55.4	81.8
Minimum	12.2	6.1	2.4	2.5	1.2	0.1
Maximum	3462.0	559.0	3125.0	2266.0	361.0	548.0
Lower Quartile	52.5	39.7	78.7	27.0	5.7	5.4
Upper Quartile	186.0	165.0	389.8	164.5	53.6	58.3
Coeff. of Variation	1.9	1.0	1.3	1.8	1.4	1.7
Total Phosphorus (mg/L)						
Sample Size	118	120	179	175	126	123
Average	0.573	0.415	0.916	0.504	0.559	0.509
Median	0.417	0.368	0.440	0.296	0.147	0.141
Standard Deviation	0.785	0.294	1.681	0.593	3.286	1.194
Minimum	0.046	0.040	0.010	0.033	0.005	0.005
Maximum	6.800	1.340	15.900	4.600	37.000	12.100
Lower Quartile	0.201	0.170	0.194	0.157	0.069	0.058
Upper Quartile	0.627	0.565	0.955	0.625	0.380	0.590
Coeff. of Variation	1.369	0.710	1.835	1.176	5.882	2.345
Filtered Reactive Phosphorus (mg/L)						
Sample Size	117	111	178	174	128	121
Average	0.081	0.044	0.100	0.083	0.116	0.365
Median	0.041	0.021	0.047	0.070	0.062	0.070
Standard Deviation	0.112	0.064	0.220	0.068	0.155	1.165
Minimum	0.001	0.001	0.001	0.001	0.001	0.001
Maximum	0.700	0.350	1.790	0.345	0.720	7.510
Lower Quartile	0.011	0.005	0.019	0.030	0.019	0.025
Upper Quartile	0.090	0.049	0.099	0.116	0.144	0.240
Coeff. of Variation	1.385	1.450	2.201	0.820	1.338	3.188

TABLE C.3: STATISTICAL SUMMARY OF SWEEP PWS SUB-WATERSHEDS - WATER QUALITY CONCENTRATION DATA (TOTAL SUSPENDED SOLIDS AND PHOSPHORUS) - JANUARY - DECEMBER 1991

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	53	49	75	44	64	69
Average	204.7	149.3	225.1	403.1	137.1	222.4
Median	87.4	70.8	46.7	128.0	16.7	7.6
Standard Deviation	383.1	270.4	442.6	942.8	352.5	614.4
Minimum	9.6	6.1	3.0	7.6	0.8	2.0
Maximum	2630.0	1666.0	2205.0	5621.0	1849.0	3209.0
Lower Quartile	51.8	15.1	18.4	32.6	6.6	4.4
Upper Quartile	193.0	141.0	193.0	250.2	60.8	38.0
Coeff. of Variation	1.9	1.8	2.0	2.3	2.6	2.8
Total Phosphorus (mg/L)						
Sample Size	49	49	70	42	63	69
Average	0.688	0.339	0.519	0.793	0.472	0.581
Median	0.258	0.166	0.213	0.359	0.220	0.063
Standard Deviation	1.012	0.343	0.765	1.066	0.812	1.347
Minimum	4.750	1.400	3.900	4.700	4.300	6.400
Maximum	0.205	0.100	0.077	0.201	0.082	0.028
Lower Quartile	0.625	0.470	0.586	0.913	0.385	0.325
Upper Quartile	1.471	1.011	1.476	1.344	1.721	2.320
Coeff. of Variation						
Filtered Reactive Phosphorus (mg/L)						
Sample Size	55	50	74	43	64	68
Average	0.075	0.034	0.061	0.110	0.089	0.072
Median	0.060	0.019	0.057	0.071	0.065	0.021
Standard Deviation	0.066	0.061	0.040	0.154	0.089	0.102
Minimum	0.001	0.001	0.001	0.001	0.001	0.001
Maximum	0.290	0.425	0.214	0.830	0.370	0.450
Lower Quartile	0.027	0.005	0.032	0.038	0.019	0.006
Upper Quartile	0.094	0.043	0.084	0.125	0.137	0.131
Coeff. of Variation	0.889	1.827	0.666	1.398	0.997	1.413

TABLE C.4: STATISTICAL SUMMARY OF SWEEP PWS SUB-WATERSHEDS - WATER QUALITY CONCENTRATION DATA (TOTAL SUSPENDED SOLIDS AND PHOSPHORUS) - JANUARY - DECEMBER 1992

	Essex Test	Essex Control	Kettle Creek Test	Kettle Creek Control	Pittock Test	Pittock Control
Total Suspended Solids (mg/L)						
Sample Size	46	47	47	40	47	45
Average	192.7	201.7	498.3	293.3	30.5	21.5
Median	145.5	103.0	87.0	48.7	5.3	5.5
Standard Deviation	184.4	244.8	1235.3	801.9	79.8	54.3
Minimum	17.1	9.4	2.4	2.5	1.5	1.6
Maximum	830.0	1055.0	7132.0	3840.0	429.0	272.0
Lower Quartile	47.7	69.2	19.1	13.3	3.2	3.9
Upper Quartile	247.2	208.5	228.0	109.0	9.6	7.8
Coeff. of Variation	1.0	1.2	2.5	2.7	2.6	2.5
Total Phosphorus (mg/L)						
Sample Size	43	47	48	37	39	44
Average	0.544	0.678	0.920	0.233	0.150	0.148
Median	0.490	0.525	0.287	0.176	0.103	0.102
Standard Deviation	0.426	0.577	1.978	0.224	0.234	0.147
Minimum	0.053	0.037	0.010	0.016	0.020	0.033
Maximum	1.630	2.100	11.100	1.080	1.200	0.790
Lower Quartile	0.178	0.239	0.115	0.104	0.053	0.073
Upper Quartile	0.730	0.967	0.494	0.264	0.129	0.139
Coeff. of Variation	0.784	0.851	2.150	0.962	1.564	0.997
Filtered Reactive Phosphorus (mg/L)						
Sample Size	46	47	48	41	47	47
Average	0.031	0.034	0.051	0.062	0.073	0.057
Median	0.023	0.026	0.046	0.058	0.052	0.040
Standard Deviation	0.026	0.043	0.032	0.039	0.103	0.057
Minimum	0.002	0.001	0.001	0.001	0.001	0.001
Maximum	0.116	0.267	0.159	0.223	0.600	0.255
Lower Quartile	0.010	0.014	0.032	0.040	0.029	0.024
Upper Quartile	0.042	0.040	0.069	0.071	0.075	0.079
Coeff. of Variation	0.837	1.260	0.624	0.625	1.411	0.988

WATER QUALITY QA/QC

ESSEX TEST

QUALITY ASSURANCE/QUALITY CONTROL

Essex Test Sub-Watershed

DRAIN	ISCO SAMPLE #	TSS	TP	FRP	GRAB SAMPLE #	TSS	TP	FRP
FI	42	5.0	0.024	0.001	42 G	6.4	0.025	0.001
FI	111	25.8	0.14	0.01	110 G	8.9	0.14	0.01
FI	121	37.5	0.13	0.01	120 G	8.4	0.11	0.01
FI	147	10	0.07	0.04	146 G	13.1	0.07	0.04
FI	148	37	0.23	0.01	148 G	111	0.45	0.01
FI	158	12.2	0.05	0.01	158 G	0.05	0.02	0.02
FI	189	22.4	0.071	0.007	189 G	24.3	0.074	0.005
FI	190	77.6	0.228	0.003	190 G	2.3	0.05	0.005
FI	191	82.8	0.22	0.013	191 G	28.5	0.094	0.06
FI	192	15	0.086	0.014	192 G	23.6	0.105	0.026
FI	193	59	0.295	0.119	193 G	29.1	0.305	0.193
FI	209	87.4	0.42	0.38	209 G	98.5	0.39	0.109
FI	229	45.4	0.142	0.017	229 G	34	0.128	0.04
FI	234	143	0.46		234 G	149	0.4	
FI	245		0.005	0.005	245 G		0.06	0.024
FI	246	170	0.425	0.171	246 G	257	0.68	0.058
FI	247	270	0.63	0.016	247 G	257	0.68	0.054
FI	248	395	0.76	0.3	248 G	229	0.63	0.07
FI	249	96	0.205	0.001	249 G	11.1	0.04	0.001
FI	250	274	0.57	0.051	250 G	274	0.525	0.17
FI	257	9.6	0.029	0.007	257 G	8.4	0.027	0.001
FI	265	48.1	0.2	0.01	265 G	13	0.11	0.01
FI	266	65	0.24	0.147	266 G	44.1	0.13	0.046
FI	272	39.1	0.104	0.088	272 G	15.4	0.102	0.059
FI	281	87.4	0.22	0.025	281 G	14.2	0.032	0.004

ESSEX CONTROL

Quality Assurance/Quality Control Data

ESSEX CONTROL SUB-WATERSHED

DRAIN	ISCO SAMPLE #	TSS	TP	FRP	GRAB SAMPLE #	TSS	TP	FRP
SE	26	163	0.68	0.045	27	74.1	0.45	0.043
SE	41	10.1	0.028	0.001	42G	24.5	0.029	0.001
SE	111	261	0.43	0.01	110G	13	0.14	0.01
SE	146	13.6	0.05	0.02	146G	11.8	0.05	0.03
SE	148	105	0.41	0.03	149	22.8	0.15	0.03
SE	150	83.9	0.22	0.01	150G	20.4	0.21	0.01
SE	158	10.7	0.04		158G	10.5	0.03	0.02
SE	167	19.7	0.08	0.01	167G	14.3	0.06	0.01
SE	189	30	0.072	0.001	189G	20.9	0.06	0.001
SE	190	46.7	1.4	0.001	190G	17.1	0.115	0.003
SE	191	16.3	0.074	0.021	191G	5.2	0.105	0.011
SE	192	6.1	0.094	0.049	192G	6.2	0.108	0.046
SE	193	8.1	0.175	0.096	193G	6.6	0.2	0.139
SE	209	82	0.43	0.091	209G	108	0.62	0.072
SE	229	26.2	0.1	0.013	229G	19.5	0.086	0.033
SE	234	123	0.53		234G	127	0.53	0.037
SE	245		0.044	0.022	245G		0.108	0.02
SE	246	189	0.63	0.023	246G	87.2	0.475	0.37
SE	247	423	0.7	0.031	247G	325	0.67	0.016
SE	248	277	0.66	0.088	248G	186	0.64	0.036
SE	249	91.4	0.182	0.001	249G	28.4	0.058	0.058
SE	250	82.3	0.23	0.006	250G	58.4	0.212	0.036
SE	257	9.6	0.029	0.007	257G	8.4	0.027	0.001
SE	265	20.7	0.14	0.01	265G	19	0.1	0.01
SE	266	78.8	0.138	0.015	266G	6.2	0.048	0.024
SE	272	20.6	0.036	0.007	272G	9.6	0.033	0.01
SE	290	9.5	0.106	0.048	290G	4.6	0.094	0.054
SE	299	56.7	0.3	0.041	299G	70.8	0.315	0.051
SE	302	17.6	0.106		302G	9.6	0.1	0.038
SE	303	19.1	0.126	0.005	303G	13.2	0.072	0.178
SE	304	11.1	0.014	0.001	304G	19.7	0.001	0.014
SE	305	3	0.093	0.043	305G	20.8	0.14	0.053
SE	311	21.3	0.196	0.016	311G	16.5	0.18	0.02
SE	315	333	1.32	0.02	315G	356	1.15	0.051
SE	333	46.4	0.17	0.026	333G	36	0.166	0.027
SE	334	40.4	0.037	0.001	334G	110.1	0.088	0.005
SE	345	316	1.15	0.053	345G	298	1.2	0.05
SE	350	9.4	0.29	0.001	350G	8.6	0.016	0.001

KETTLE CREEK TEST

QUALITY ASSURANCE/QUALITY CONTROL DATA

Kettle Creek Test Sub-Watershed

DRAIN	ISCO SAMPLE #	TSS	TP	FRP	GRAB SAMPLE #	TSS	TP	FRP
MA	36	3.7	0.033	0.003	36G	3.7	0.032	0.002
MA	54	173	0.510	0.082	54G	160	0.535	0.112
MA	89	9.3	0.09	0.03	89G	11.1	0.08	0.11
MA	96	82.3	0.56	0.1	96G	75.5	0.53	0.12
MA	130	468	0.89	0.1	130G	94	0.4	0.08
MA	158	81.1	0.17	0.02	158	10.9	0.06	0.02
MA	165	191	0.32	0.01	165	35.4	0.14	0.01
MA	176	31.7	0.08	0.01	176	13.5	0.04	0.01
MA	184	16.2	0.06	0.01	184	9.5	0.06	0.01
MA	188	292	0.72	0.067	188	272	0.72	0.079
MA	195	154	0.44	0.04	195	286	0.79	0.107
MA	204	3.8	0.034	0.001	204	5.9	0.024	0.001
MA	206	445	0.88	0.005	206	343	0.69	0.006
MA	224	1917	5.9	1.56	224	1604	6.3	2.84
MA	241	105	0.096	0.017	241	29.8	0.138	0.067
MA	243	1613	2.75	0.005	243	1159	2.08	0.004
MA	257	102	0.395	0.067	257	130	0.4	0.086
MA	265	361	0.71	0.046	265	390	0.74	0.065
MA	274	201	0.715	0.248	274	171	0.71	0.136
MA	282	665	1.38	0.025	282	696	1.43	0.031
MA	305	31.1	0.081	0.026	305	40	0.077	0.031
MA	311	197	0.63	0.13	311	143	0.59	0.161
MA	333	12.7	0.025	0.001	333	10.5	0.035	0.016
MA	353	6.3	0.089	0.046	353	4.5	0.086	0.047
MA	361	3	0.053	0.045	361	4.5	0.053	0.03
MA	372	11.7	0.077	0.041	372	13.5	0.081	0.036
MA	384	23.8	0.126	0.039	384	21.3	0.125	0.048
MA	387	223	0.635	0.059	387	210	0.615	0.06
MA	399	205	0.46	0.072	399	181	0.47	0.067
MA	421	4.3	0.033	0.007	421	3.8	0.032	0.006

KETTLE CREEK CONTROL

QUALITY ASSURANCE/QUALITY CONTROL DATA

Kettle Creek Control Sub-Watershed

DRAIN	ISCO Sample #	TSS	TP	FRP	GRAB SAMPLE #	TSS	TP	FRP
HO	22	12.6	0.15	0.037	23	14.4	0.15	0.008
HO	40	8.9	0.068	0.016	40G	5.8	0.053	0.012
HO	54	45.9	0.352	0.142	54G	35.2	0.346	0.14
HO	82	3327	5.25	0.12	82G	4192	6.32	0.22
HO	83	3694	5.55	0.07	83G	2781	4.59	0.1
HO	89	8.7	0.09	0.03	89G	9.7	0.12	0.02
HO	96	39.4	0.51	0.29	96G	36.4	0.55	0.41
HO	130	29.7	0.24	0.05	130G	14.1	0.26	0.1
HO	158	25.3	0.12	0.02	158	9.5	0.08	0.02
HO	165	21.2	0.13	0.01	165	16.1	0.14	0.012
HO	176	84.3	0.27	0.01	176	96.8	0.29	0.01
HO	184	14.8	0.18	0.01	184	3.8	0.13	0.01
HO	188	329	0.91	0.087	188	278	0.88	0.171
HO	195	293	0.88	0.154	195	211	0.555	0.115
HO	204	20.2	0.185	0.05	204	58	0.28	0.002
HO	206	200	0.695	0.124	206	132	1.62	0.925
HO	240	32.6	0.139	0.051	240	32.6	0.139	0.069
HO	243	89.2	0.102	0.013	243G	93.7	0.235	0.01
HO	257	135	0.735	0.248	257	65.4	0.56	
HO	265	84.1	0.345	0.105	265	84.1	0.345	0.108
HO	274	93.2	0.65	0.189	274	93.2	0.65	0.218
HO	283	313	1	0.001	283	313	1	0.001
HO	305	41.6	0.134	0.039	305	26.9	0.119	0.047
HO	311	137	0.325	0.028	311	121	0.33	0.058
HO	384	15.1	0.154	0.082	384	14.1	0.144	0.075
HO	387	53.5	0.222	0.06	387	55	0.234	0.065

PITTOCK TEST

QUALITY ASSURANCE/QUALITY CONTROL

Pittock Test Sub-Watershed

DRAIN	ISCO SAMPLE #	TSS	TP	FRP	GRAB SAMPLE #	TSS	TP	FRP
GO	24	357	0.84	0.09	24G	215	0.62	0.11
GO	55	0	0.039	0.006	55G	0	0.028	0.005
GO	56	3.8	0.050	0.003	56G	0	0.048	0.005
GO	76	36.7	0.16	0.09	76G	4.7	0.15	0.14
GO	77	2.9	0.10	0.04	77G	5.7	0.11	0.1
GO	93	6	0.06	0.02	93G	16.8	0.1	0.06
GO	94	5.4	0.1	0.01	94G	10.1	0.16	0.05
GO	107	4	0.17	0.01	107G	4.1	0.23	0.18
GO	108	6.4	0.21	0.19	108G	6.2	0.22	0.2
GO	109	5.7	0.25	0.23	109G	5.7	0.27	0.23
GO	110	18.4	1.02	0.81	110G	18.4	1.06	
GO	111	40.5	0.9	0.61	111G	42.4	0.91	0.63
GO	124	14.6	0.27	0.09	124G	15.2	0.3	0.08
GO	128	11.3	0.17	0.15	128G	2.7	0.12	0.05
GO	129	53.4	0.28	0.06	129G	46.8	0.29	0.06
GO	130	44	0.25	0.19	130G	56.2	0.32	0.06
GO	146	115	37	0.7	147G	153	1.46	0.71
GO	157	3.9	0.03	0.01	157	3.3	0.02	0.01
GO	160	2.7	0.05	0.01	160	3.2	0.09	0.01
GO	170	5.5	0.06	0.01	170	6.6	0.07	0.01
GO	171	9.5	0.25	0.08	171	8.2	0.22	0.06
GO	172	9.5	0.54	0.24	172	7.9	0.56	0.21
GO	176	43.3	0.735	0.24	176	58	0.85	0.34
GO	194	4.2	0.136	0.092	194	2.4	0.148	0.08
GO	200	11.7	0.098	0.068	200	11.5	0.078	0.059
GO	201	11.3	155	0.089	201	11.3	145	0.096
GO	202	69.8	0.55	0.19	202	35.9	0.545	0.189
GO	206	7.5	0.124	0.03	206	4.4	0.126	0.107
GO	211	34.1	1.51	0.67	211	18.8	1.59	0.74
GO	213	3.7	0.145	0.068	213	1.5	0.149	0.147
GO	223	66.3	0.138	0.008	223	39.6	0.12	0.001
GO	224	57.3	0.385	0.195	224	36.4	0.405	0.16
GO	225	59.9	0.098	0.013	225	52.2	0.114	0.001
GO	226	46.1	0.06	0.001	226	37.9	0.06	0.001
GO	234	2.15	0.067	0.003	234	51.2	0.067	0.032
GO	238	54.1	0.102	0.004	238	38.9	0.112	0.033
GO	242	160	0.595	0.077	242	145	0.52	0.09
GO	246	30.8	0.188	0.076	246	24.5	0.174	0.076
GO	293	17.6	0.1	0.058	293	7.5	0.107	0.054
GO	304	19.8	1.1	0.037	304	13.9	1	0.54
GO	366	68.8	0.314	0.131	366	166	0.52	0.132

PITTOCK CONTROL

QUALITY ASSURANCE/QUALITY CONTROL

Pittock Control Sub-Watershed

DRAIN	ISCO SAMPLE #	TSS	TP	FRP	GRAB SAMPLE #	TSS	TP	FRP
WE	18	1469	2.80	0.04	18G	253	0.68	0.18
WE	24	300	1.00	0.08	24G	325	1.12	0.19
WE	55	0	0.043	0.028	55G	0	0.049	0.036
WE	56	0	0.036	0.017	56G	9.2	0.060	0.005
WE	76	3.4	0.02	0.01	76G	2.3	0.02	0.02
WE	77	3.2	0.06	0.04	77G	0.9	0.06	0.05
WE	123	88.2	0.7	0.19	123G	88.7	0.62	0.22
WE	128	12.9	0.59	0.22	128G	28.9	0.67	0.17
WE	129	341	1.56	0.63	129G	311	1.57	0.57
WE	130	196	1.6	0.86	130G	128	1.48	0.67
WE	140	218	0.54	0.12	140G	156	0.56	0.21
WE	141	86.3	0.72	0.35	141G	159	0.56	0.27
WE	146	74.9	0.64	0.03	146G	87.7	0.99	0.04
WE	147	173	1.83	0.47	147G	197	1.91	0.04
WE	170	2.6	0.02	0.01	170G	18.8	0.05	0.01
WE	171	3.7	0.09	0.02	171G	2.8	0.08	0.01
WE	172	4.6	0.2	0.11	172G	4.8	0.23	0.1
WE	176	40.7	0.465	0.26	176G	37.7	0.5	0.29
WE	194	5.9	0.012	0.003	194G	1.6	0.01	0.004
WE	200	11	0.058	0.031	200G	21.4	0.052	0.021
WE	201	8.1	0.037	0.01	201G	7.8	0.044	0.015
WE	211	3	0.015	0.005	211G	3.4	0.015	0.006
WE	213	3	0.029	0.004	213G	3	0.017	
WE	223	45.3	0.126	0.11	223G	38.4	0.134	0.099
WE	224	65.6	0.47	0.179	224G	60.1	0.46	0.245
WE	225	21.4	0.23	0.086	225G	23.4	0.21	0.106
WE	226	10.4	0.106	0.056	226G	45.8	0.111	0.071
WE	229	62	0.42	0.183	229G	65.5	0.44	0.15
WE	234	16.6	0.112	0.054	234G	30.4	0.117	0.014
WE	237	162	0.735	0.177	237G	185	0.79	0.189
WE	238	18.7	0.095	0.051	238G	58.9	0.096	0.058
WE	242	161	0.79	0.059	242G	194	0.68	0.117
WE	246	20.7	0.188	0.071	246G	21.1	0.177	0.081
WE	293	6.1	0.011	0.001	293G	3	0.009	0.001
WE	304	4.8	0.039	0.014	304G	4	0.036	0.01

APPENDIX B

WATER QUALITY LOADING ESTIMATES

ESSEX TEST WATER QUALITY LOADS

TOTAL DAILY DISCHARGE FOR 1989 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	5.50	0.0518	3.11	---	---	---	---	---	---	---	---	1
2	---	1.93	0.0346	2.61	---	---	---	---	---	---	---	---	2
3	---	0.810	0.0144	38.9	---	---	---	---	---	---	---	---	3
4	---	0.385	0.112	27.0	---	---	---	---	---	---	---	---	4
5	---	0.216	0.400	11.7	---	---	---	---	---	---	---	---	5
6	---	0.191	0.138	5.50	---	---	---	---	---	---	---	---	6
7	---	0.0864	0	3.84	---	---	---	---	---	---	---	---	7
8	---	0.0778	0	2.94	---	---	---	---	---	---	---	---	8
9	---	0.0691	0.0612	1.97	---	---	---	---	---	---	---	---	9
10	1.62	0.0605	0.112	1.23	---	---	---	---	---	---	---	---	10
11	0.778	0.0518	0.371	1.12	---	---	---	---	---	---	---	---	11
12	1.56	0.0432	0.407	1.26	---	---	---	---	---	---	---	---	12
13	0.796	0.156	0.176	2.22	---	---	---	---	---	---	---	---	13
14	0.328	0.306	0.238	2.22	---	---	---	---	---	---	---	---	14
15	0.425	0.421	0.464	3.47	---	---	---	---	---	---	---	---	15
16	0.292	0.294	0.133	2.86	---	---	---	---	---	---	---	---	16
17	0.310	0.199	0.0900	12.1	---	---	---	---	---	---	---	---	17
18	0.457	0.147	3.54	16.0	---	---	---	---	---	---	---	---	18
19	0.641	0.112	2.39	5.75	---	---	---	---	---	---	---	---	19
20	0.644	0.115	1.77	3.52	---	---	---	---	---	---	---	---	20
21	0.190	0.346	1.73	2.87	---	---	---	---	---	---	---	---	21
22	0.140	0.242	1.88	2.32	---	---	---	---	---	---	---	---	22
23	0.194	0.156	1.77	1.65	---	---	---	---	---	---	---	---	23
24	0.173	0.0864	1.72	1.26	---	---	---	---	---	---	---	---	24
25	0.176	0.0605	1.86	1.38	---	---	---	---	---	---	---	---	25
26	4.85	0.0864	1.48	1.16	---	---	---	---	---	---	---	---	26
27	3.19	0.0864	1.59	0.889	---	---	---	---	---	---	---	---	27
28	2.59	0.0864	10.4	0.714	---	---	---	---	---	---	---	---	28
29	6.51		21.5	0.608	---	---	---	---	---	---	---	---	29
30	12.4		7.26	0.400	---	---	---	---	---	---	---	---	30
31	7.83		4.96		---		---	---		---			31
TOTAL	46.1#	12.3	66.7	162	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.10	0.440	2.15	5.42	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.16	1.06	4.27	8.47	---	---	---	---	---	---	---	---	ST.D.
MAX	12.4	5.50	21.5	38.9	---	---	---	---	---	---	---	---	MAX
MIN	0.140	0.0432	0	0.400	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 287
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.201	0.0000	0.0700	---	---	---	---	---	---	---	---	1
2	---	0.0304	0.0000	0.0509	---	---	---	---	---	---	---	---	2
3	---	0.0064	0.0000	8.17*	---	---	---	---	---	---	---	---	3
4	---	0.0017	0.0003	3.81*	---	---	---	---	---	---	---	---	4
5	---	0.0006	0.0020	0.787*	---	---	---	---	---	---	---	---	5
6	---	0.0006	0.0003	0.197	---	---	---	---	---	---	---	---	6
7	---	0.0001	0	0.102	---	---	---	---	---	---	---	---	7
8	---	0.0001	0	0.0632	---	---	---	---	---	---	---	---	8
9	---	0.0001	0.0001	0.0310	---	---	---	---	---	---	---	---	9
10	0.0215*	0.0001	0.0002	0.0132	---	---	---	---	---	---	---	---	10
11	0.0060	0.0000	0.0020*	0.0110	---	---	---	---	---	---	---	---	11
12	0.0213	0.0000	0.0019*	0.0145	---	---	---	---	---	---	---	---	12
13	0.0065	0.0003	0.0004	0.0379	---	---	---	---	---	---	---	---	13
14	0.0012	0.0012	0.0008	0.0380	---	---	---	---	---	---	---	---	14
15	0.0019	0.0019	0.0023	0.0863	---	---	---	---	---	---	---	---	15
16	0.0010	0.0010	0.0003	0.0612	---	---	---	---	---	---	---	---	16
17	0.0011	0.0005	0.0001	1.75*	---	---	---	---	---	---	---	---	17
18	0.0023	0.0003	0.0965	1.54*	---	---	---	---	---	---	---	---	18
19	0.0041	0.0002	0.0436	0.216*	---	---	---	---	---	---	---	---	19
20	0.0044	0.0002	0.0253	0.0888	---	---	---	---	---	---	---	---	20
21	0.0005	0.0015	0.0244	0.0606	---	---	---	---	---	---	---	---	21
22	0.0003	0.0007	0.0281	0.0417	---	---	---	---	---	---	---	---	22
23	0.0005	0.0003*	0.0253	0.0227	---	---	---	---	---	---	---	---	23
24	0.0004	0.0001	0.0241	0.0138*	---	---	---	---	---	---	---	---	24
25	0.0004	0.0001	0.0275	0.0162	---	---	---	---	---	---	---	---	25
26	0.174	0.0001	0.0182	0.0123	---	---	---	---	---	---	---	---	26
27	0.0743	0.0001	0.0260	0.0073	---	---	---	---	---	---	---	---	27
28	0.0501	0.0001	0.711*	0.0049	---	---	---	---	---	---	---	---	28
29	0.297		2.82*	0.0037	---	---	---	---	---	---	---	---	29
30	0.845		0.320*	0.0018	---	---	---	---	---	---	---	---	30
31	0.369		0.164		---		---	---		---		---	31
TOTAL	1.88#	0.249	4.36	17.3	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0856	0.0089	0.141	0.577	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.197	0.0380	0.516	1.63	---	---	---	---	---	---	---	---	ST.D.
MAX	0.845	0.201	2.82	8.17	---	---	---	---	---	---	---	---	MAX
MIN	0.0003	0.0000	0	0.0018	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 23.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 321.0736 B1= 1.8021 A2= 0.0000 B2= 0.0000 R^2= 0.9120 N= 39.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	1.21	0.0013	0.519	---	---	---	---	---	---	---	---	1
2	---	0.260	0.0007	0.400	---	---	---	---	---	---	---	---	2
3	---	0.0730	0.0004	23.7	---	---	---	---	---	---	---	---	3
4	---	0.0243	0.0048	13.1	---	---	---	---	---	---	---	---	4
5	---	0.0102	0.0268	3.70	---	---	---	---	---	---	---	---	5
6	---	0.0094	0.0053	1.20	---	---	---	---	---	---	---	---	6
7	---	0.0027	0	0.705	---	---	---	---	---	---	---	---	7
8	---	0.0023	0	0.477	---	---	---	---	---	---	---	---	8
9	---	0.0019	0.0019	0.266	---	---	---	---	---	---	---	---	9
10	0.199*	0.0016	0.0040	0.133	---	---	---	---	---	---	---	---	10
11	0.0686	0.0013	0.0258*	0.115	---	---	---	---	---	---	---	---	11
12	0.193	0.0010	0.0265*	0.141	---	---	---	---	---	---	---	---	12
13	0.0724	0.0063	0.0077	0.315	---	---	---	---	---	---	---	---	13
14	0.0191	0.0180	0.0131	0.315	---	---	---	---	---	---	---	---	14
15	0.0277	0.0276	0.0319	0.613	---	---	---	---	---	---	---	---	15
16	0.0161	0.0161	0.0053	0.462	---	---	---	---	---	---	---	---	16
17	0.0175	0.0090	0.0029	5.81*	---	---	---	---	---	---	---	---	17
18	0.0316	0.0058	0.658	6.16*	---	---	---	---	---	---	---	---	18
19	0.0507	0.0039	0.353	1.29*	---	---	---	---	---	---	---	---	19
20	0.0528	0.0042	0.227	0.627	---	---	---	---	---	---	---	---	20
21	0.0085	0.0215	0.219	0.461	---	---	---	---	---	---	---	---	21
22	0.0056	0.0121	0.247	0.339	---	---	---	---	---	---	---	---	22
23	0.0089	0.0063*	0.226	0.205	---	---	---	---	---	---	---	---	23
24	0.0074	0.0027	0.217	0.138*	---	---	---	---	---	---	---	---	24
25	0.0076	0.0016	0.243	0.157	---	---	---	---	---	---	---	---	25
26	1.06	0.0027	0.173	0.124	---	---	---	---	---	---	---	---	26
27	0.542	0.0027	0.216	0.0822	---	---	---	---	---	---	---	---	27
28	0.395	0.0027	3.27*	0.0593	---	---	---	---	---	---	---	---	28
29	1.62		9.89*	0.0471	---	---	---	---	---	---	---	---	29
30	3.96		1.80*	0.0259	---	---	---	---	---	---	---	---	30
31	2.01		1.04		---		---	---		---			31
TOTAL	10.4#	1.74	18.9	61.7	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.472	0.0623	0.611	2.06	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.955	0.231	1.85	4.90	---	---	---	---	---	---	---	---	ST.D.
MAX	3.96	1.21	9.89	23.7	---	---	---	---	---	---	---	---	MAX
MIN	0.0056	0.0010	0	0.0259	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 92.7

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.7940 B1= 1.4708 A2= 0.0000 B2= 0.0000 R^2= 0.9153 N= 26.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0976	0.0012	0.0571	---	---	---	---	---	---	---	---	1
2	---	0.0363	0.0008	0.0483	---	---	---	---	---	---	---	---	2
3	---	0.0160	0.0003	0.616	---	---	---	---	---	---	---	---	3
4	---	0.0079	0.0024	0.439	---	---	---	---	---	---	---	---	4
5	---	0.0046	0.0082	0.199	---	---	---	---	---	---	---	---	5
6	---	0.0040	0.0030	0.0977	---	---	---	---	---	---	---	---	6
7	---	0.0019	0	0.0696	---	---	---	---	---	---	---	---	7
8	---	0.0017	0	0.0541	---	---	---	---	---	---	---	---	8
9	---	0.0016	0.0014	0.0370	---	---	---	---	---	---	---	---	9
10	0.0309*	0.0014	0.0024	0.0238	---	---	---	---	---	---	---	---	10
11	0.0154	0.0012	0.0076*	0.0216	---	---	---	---	---	---	---	---	11
12	0.0297	0.0010	0.0083*	0.0242	---	---	---	---	---	---	---	---	12
13	0.0157	0.0034	0.0038	0.0415	---	---	---	---	---	---	---	---	13
14	0.0068	0.0063	0.0050	0.0414	---	---	---	---	---	---	---	---	14
15	0.0087	0.0086	0.0094	0.0632	---	---	---	---	---	---	---	---	15
16	0.0061	0.0061	0.0029	0.0527	---	---	---	---	---	---	---	---	16
17	0.0064	0.0042	0.0020	0.199*	---	---	---	---	---	---	---	---	17
18	0.0093	0.0032	0.0641	0.267*	---	---	---	---	---	---	---	---	18
19	0.0128	0.0025	0.0445	0.102*	---	---	---	---	---	---	---	---	19
20	0.0128	0.0025	0.0336	0.0642	---	---	---	---	---	---	---	---	20
21	0.0041	0.0071	0.0327	0.0528	---	---	---	---	---	---	---	---	21
22	0.0030	0.0051	0.0354	0.0433	---	---	---	---	---	---	---	---	22
23	0.0041	0.0034*	0.0335	0.0313	---	---	---	---	---	---	---	---	23
24	0.0037	0.0019	0.0326	0.0243*	---	---	---	---	---	---	---	---	24
25	0.0038	0.0014	0.0351	0.0265	---	---	---	---	---	---	---	---	25
26	0.0862	0.0019	0.0282	0.0224	---	---	---	---	---	---	---	---	26
27	0.0584	0.0019	0.0299	0.0175	---	---	---	---	---	---	---	---	27
28	0.0479	0.0019	0.178*	0.0142	---	---	---	---	---	---	---	---	28
29	0.114		0.352*	0.0122	---	---	---	---	---	---	---	---	29
30	0.211		0.127*	0.0082	---	---	---	---	---	---	---	---	30
31	0.137		0.0886		---		---	---		---		---	31
TOTAL	0.827#	0.237	1.17	2.77	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0376	0.0085	0.0379	0.0924	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0540	0.0188	0.0708	0.135	---	---	---	---	---	---	---	---	ST.D.
MAX	0.211	0.0976	0.352	0.616	---	---	---	---	---	---	---	---	MAX
MIN	0.0030	0.0010	0	0.0082	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 5.01

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0153 B1= 0.9453 A2= 0.0000 B2= 0.0000 R^2= 0.7622 N= 26.

TOTAL DAILY DISCHARGE FOR 1989 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.270	31.4	0.194	0	0.0540	0	---	---	1
2	---	---	---	---	0.266	40.4	0.162	0	0.0864	0	---	---	2
3	---	---	---	---	0.274	28.7	0.173	0	0.0036	0	---	---	3
4	---	---	---	---	0.173	14.6	0.130	0.0324	0	0	---	---	4
5	---	---	---	---	0.241	3.73	0.0864	0.101	0	0	---	---	5
6	---	---	---	---	0.266	1.97	0.0432	0.0792	0	0.0108	---	---	6
7	---	---	---	---	0.133	1.13	0	0	0.0648	0	---	---	7
8	---	---	---	---	0.0864	0.770	0	0	0.245	0	---	---	8
9	---	---	---	---	0.0864	0.630	0	0	0.126	0	---	---	9
10	---	---	---	---	0.0864	0.410	0	0	0.490	0.0612	---	---	10
11	---	---	---	---	0.0828	0.158	0	0	0.133	0.0864	---	---	11
12	---	---	---	---	0.0972	0.230	0	0	0.0864	0.0108	---	---	12
13	---	---	---	---	0.162	0.382	0	0	0.0828	0	---	---	13
14	---	---	---	---	0.0864	0.191	0	0	0.115	0	---	---	14
15	---	---	---	---	0.0864	0.436	0	0	0.130	0	---	---	15
16	---	---	---	---	0.0864	5.29	0	0	0.648	0	---	---	16
17	---	---	---	---	0.0576	2.03	0	0	2.40	0	---	---	17
18	---	---	---	---	0.0108	3.60	0	0	0.432	0	---	---	18
19	---	---	---	---	0.0108	71.3	2.13	0	0.126	0.306	---	---	19
20	---	---	---	---	0.169	32.2	69.6	0	0.0864	0.677	---	---	20
21	---	---	---	---	0.133	4.33	7.11	0	0.0864	0.400	---	---	21
22	---	---	---	---	0.0864	2.06	2.07	0	0.0864	0.194	---	---	22
23	---	---	---	---	0.0864	1.33	1.63	0	0.0864	0.104	---	---	23
24	---	---	---	---	0.0864	0.929	1.01	0	0.0432	0.0864	---	---	24
25	---	---	---	---	3.00	0.626	0.292	0	0	0.0864	---	---	25
26	---	---	---	---	26.6	1.07	0.148	0	0	0.0864	---	---	26
27	---	---	---	---	3.83	4.07	0.130	0	0	0.0720	---	---	27
28	---	---	---	---	1.70	1.67	0.0864	0	0	0.0540	---	---	28
29	---		---	---	1.09	0.508	0.0648	0	0	0	---	---	29
30	---		---	---	5.57	0.248	0.0468	0	0	0	---	---	30
31	---		---		85.2		0	0		0.0540		---	31
TOTAL	---	---	---	---	130	256	85.1	0.212	5.62	2.29	---	---	TOTAL
MEAN	---	---	---	---	4.20	8.55	2.75	0.0069	0.187	0.0739	---	---	MEAN
ST.D.	---	---	---	---	15.8	16.3	12.5	0.0231	0.446	0.146	---	---	ST.D.
MAX	---	---	---	---	85.2	71.3	69.6	0.101	2.40	0.677	---	---	MAX
MIN	---	---	---	---	0.0108	0.158	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 479
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0088	11.7*	0.0054	0	0.0010	0	---	---	1
2	---	---	---	---	0.0086	18.2*	0.0041	0	0.0016	0	---	---	2
3	---	---	---	---	0.0090	13.0*	0.0045	0	0.0001	0	---	---	3
4	---	---	---	---	0.0045	3.77*	0.0030	0.0006	0	0	---	---	4
5	---	---	---	---	0.0075	0.443*	0.0016	0.0021	0	0	---	---	5
6	---	---	---	---	0.0086	0.171	0.0008	0.0015	0	0.0002	---	---	6
7	---	---	---	---	0.0032	0.0743	0	0	0.0012	0	---	---	7
8	---	---	---	---	0.0016	0.0418	0	0	0.0079	0	---	---	8
9	---	---	---	---	0.0016	0.0309	0	0	0.0029	0	---	---	9
10	---	---	---	---	0.0016	0.0167	0	0	0.0219	0.0011	---	---	10
11	---	---	---	---	0.0015*	0.0042	0	0	0.0033	0.0016	---	---	11
12	---	---	---	---	0.0020	0.0076	0	0	0.0016	0.0002	---	---	12
13	---	---	---	---	0.0041	0.0149	0	0	0.0015	0	---	---	13
14	---	---	---	---	0.0016	0.0053	0	0	0.0026	0	---	---	14
15	---	---	---	---	0.0016	0.0300	0	0	0.0030	0	---	---	15
16	---	---	---	---	0.0016	0.761	0	0	0.0498	0	---	---	16
17	---	---	---	---	0.0011	0.186	0	0	0.241	0	---	---	17
18	---	---	---	---	0.0002	0.439	0	0	0.0187	0.0000*	---	---	18
19	---	---	---	---	0.0002	65.0*	0.537*	0	0.0029	0.0144	---	---	19
20	---	---	---	---	0.0046	13.3*	39.9*	0	0.0016	0.0359*	---	---	20
21	---	---	---	---	0.0032	0.561*	1.28*	0	0.0016	0.0157	---	---	21
22	---	---	---	---	0.0016	0.183*	0.184*	0	0.0016	0.0054	---	---	22
23	---	---	---	---	0.0016	0.0949	0.144*	0	0.0016	0.0022	---	---	23
24	---	---	---	---	0.0016*	0.0552	0.0670*	0	0.0008	0.0016	---	---	24
25	---	---	---	---	0.477*	0.0310	0.0103	0	0	0.0016	---	---	25
26	---	---	---	---	9.20*	0.103	0.0036	0	0	0.0016	---	---	26
27	---	---	---	---	0.472*	0.521	0.0030	0	0	0.0013	---	---	27
28	---	---	---	---	0.138*	0.138	0.0016	0	0	0.0010	---	---	28
29	---		---	---	0.0708	0.0232	0.0012	0	0	0	---	---	29
30	---		---	---	1.74*	0.0080	0.0009	0	0	0	---	---	30
31	---		---		50.9*		0	0		0.0010		---	31
TOTAL	---	---	---	---	63.1	128	42.1	0.0041	0.368	0.0849	---	---	TOTAL
MEAN	---	---	---	---	2.03	4.30	1.36	0.0001	0.0123	0.0027	---	---	MEAN
ST.D.	---	---	---	---	9.22	12.5	7.15	0.0005	0.0443	0.0072	---	---	ST.D.
MAX	---	---	---	---	50.9	65.0	39.9	0.0021	0.241	0.0359	---	---	MAX
MIN	---	---	---	---	0.0002	0.0042	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 234

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 551.4412 B1= 1.4920 A2= 0.0000 B2= 0.0000 R^2= 0.8975 N= 66.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	SUM
1	---	---	---	---	0.0318	26.1*	0.0202	0	0.0040	0	---	---	1
2	---	---	---	---	0.0311	39.0*	0.0157	0	0.0065	0	---	---	2
3	---	---	---	---	0.0325	27.7*	0.0170	0	0.0003	0	---	---	3
4	---	---	---	---	0.0170	9.02*	0.0117	0.0024	0	0	---	---	4
5	---	---	---	---	0.0274	1.24*	0.0065	0.0082	0	0	---	---	5
6	---	---	---	---	0.0313	0.511	0.0032	0.0059	0	0.0008	---	---	6
7	---	---	---	---	0.0122	0.234	0	0	0.0048	0	---	---	7
8	---	---	---	---	0.0065	0.137	0	0	0.0287	0	---	---	8
9	---	---	---	---	0.0065	0.103	0	0	0.0114	0	---	---	9
10	---	---	---	---	0.0065	0.0578	0	0	0.0746	0.0046	---	---	10
11	---	---	---	---	0.0062*	0.0159	0	0	0.0125	0.0065	---	---	11
12	---	---	---	---	0.0078	0.0274	0	0	0.0065	0.0008	---	---	12
13	---	---	---	---	0.0157	0.0520	0	0	0.0062	0	---	---	13
14	---	---	---	---	0.0065	0.0198	0	0	0.0100	0	---	---	14
15	---	---	---	---	0.0065	0.0923	0	0	0.0117	0	---	---	15
16	---	---	---	---	0.0065	2.05	0	0	0.151	0	---	---	16
17	---	---	---	---	0.0043	0.549	0	0	0.697	0	---	---	17
18	---	---	---	---	0.0008	1.22	0	0	0.0638	0.0001*	---	---	18
19	---	---	---	---	0.0008	121*	1.30*	0	0.0113	0.0483	---	---	19
20	---	---	---	---	0.0172	28.9*	81.5*	0	0.0065	0.118*	---	---	20
21	---	---	---	---	0.0123	1.55*	3.29*	0	0.0065	0.0549	---	---	21
22	---	---	---	---	0.0065	0.543*	0.547*	0	0.0065	0.0202	---	---	22
23	---	---	---	---	0.0065	0.294	0.426*	0	0.0065	0.0087	---	---	23
24	---	---	---	---	0.0065*	0.178	0.210*	0	0.0032	0.0065	---	---	24
25	---	---	---	---	1.24*	0.103	0.0367	0	0	0.0065	---	---	25
26	---	---	---	---	20.8*	0.297	0.0139	0	0	0.0065	---	---	26
27	---	---	---	---	1.31*	1.44	0.0117	0	0	0.0054	---	---	27
28	---	---	---	---	0.418*	0.416	0.0065	0	0	0.0040	---	---	28
29	---		---	---	0.224	0.0786	0.0048	0	0	0	---	---	29
30	---		---	---	3.97*	0.0289	0.0035	0	0	0	---	---	30
31	---		---		103*		0	0		0.0040		---	31
TOTAL	---	---	---	---	131	263	87.4	0.0166	1.13	0.296	---	---	TOTAL
MEAN	---	---	---	---	4.25	8.78	2.82	0.0005	0.0376	0.0095	---	---	MEAN
ST.D.	---	---	---	---	18.8	23.7	14.6	0.0018	0.128	0.0239	---	---	ST.D.
MAX	---	---	---	---	103	121	81.5	0.0082	0.697	0.118	---	---	MAX
MIN	---	---	---	---	0.0008	0.0159	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 483

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.1425 B1= 1.3946 A2= 0.0000 B2= 0.0000 R^2= 0.9430 N= 66.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0096	0.579*	0.0072	0	0.0022	0	---	---	1
2	---	---	---	---	0.0095	0.709*	0.0062	0	0.0036	0	---	---	2
3	---	---	---	---	0.0097	0.510*	0.0065	0	0.0001	0	---	---	3
4	---	---	---	---	0.0065	0.298*	0.0051	0.0013	0	0	---	---	4
5	---	---	---	---	0.0087	0.0928*	0.0036	0.0041	0	0	---	---	5
6	---	---	---	---	0.0095	0.0536	0.0018	0.0033	0	0.0004	---	---	6
7	---	---	---	---	0.0052	0.0330	0	0	0.0027	0	---	---	7
8	---	---	---	---	0.0036	0.0238	0	0	0.0087	0	---	---	8
9	---	---	---	---	0.0036	0.0200	0	0	0.0049	0	---	---	9
10	---	---	---	---	0.0036	0.0137	0	0	0.0160	0.0025	---	---	10
11	---	---	---	---	0.0034*	0.0060	0	0	0.0052	0.0036	---	---	11
12	---	---	---	---	0.0039	0.0082	0	0	0.0036	0.0004	---	---	12
13	---	---	---	---	0.0062	0.0129	0	0	0.0034	0	---	---	13
14	---	---	---	---	0.0036	0.0071	0	0	0.0046	0	---	---	14
15	---	---	---	---	0.0036	0.0132	0	0	0.0051	0	---	---	15
16	---	---	---	---	0.0036	0.125	0	0	0.0187	0	---	---	16
17	---	---	---	---	0.0024	0.0546	0	0	0.0631	0	---	---	17
18	---	---	---	---	0.0004	0.0895	0	0	0.0143	0.0001*	---	---	18
19	---	---	---	---	0.0004	1.03*	0.0435*	0	0.0049	0.0100	---	---	19
20	---	---	---	---	0.0063	0.580*	1.14*	0	0.0036	0.0211*	---	---	20
21	---	---	---	---	0.0052	0.106*	0.160*	0	0.0036	0.0135	---	---	21
22	---	---	---	---	0.0036	0.0556*	0.0557*	0	0.0036	0.0072	---	---	22
23	---	---	---	---	0.0036	0.0380	0.0447*	0	0.0036	0.0042	---	---	23
24	---	---	---	---	0.0036*	0.0279	0.0296*	0	0.0018	0.0036	---	---	24
25	---	---	---	---	0.0715*	0.0198	0.0102	0	0	0.0036	---	---	25
26	---	---	---	---	0.500*	0.0296	0.0057	0	0	0.0036	---	---	26
27	---	---	---	---	0.0947*	0.0997	0.0051	0	0	0.0030	---	---	27
28	---	---	---	---	0.0471*	0.0462	0.0036	0	0	0.0022	---	---	28
29	---		---	---	0.0322	0.0165	0.0027	0	0	0	---	---	29
30	---		---	---	0.113*	0.0089	0.0019	0	0	0	---	---	30
31	---		---		1.37*		0	0		0.0022		---	31
TOTAL	---	---	---	---	2.35	4.71	1.54	0.0087	0.177	0.0813	---	---	TOTAL
MEAN	---	---	---	---	0.0758	0.157	0.0495	0.0003	0.0059	0.0026	---	---	MEAN
ST.D.	---	---	---	---	0.258	0.257	0.205	0.0009	0.0118	0.0047	---	---	ST.D.
MAX	---	---	---	---	1.37	1.03	1.14	0.0041	0.0631	0.0211	---	---	MAX
MIN	---	---	---	---	0.0004	0.0060	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 8.86

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0163 B1= 0.8652 A2= 0.0000 B2= 0.0000 R^2= 0.6628 N= 66.

TOTAL DAILY DISCHARGE FOR 1989 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0864	0.0864	1
2	---	---	---	---	---	---	---	---	---	---	0.0144	0.0900	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0605	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0432	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0720	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0864	6
7	---	---	---	---	---	---	---	---	---	---	0.0972	0.0180	7
8	---	---	---	---	---	---	---	---	---	---	0.0900	0	8
9	---	---	---	---	---	---	---	---	---	---	0.0864	0	9
10	---	---	---	---	---	---	---	---	---	---	0.148	0	10
11	---	---	---	---	---	---	---	---	---	---	0.0972	0	11
12	---	---	---	---	---	---	---	---	---	---	0.0864	0.0259	12
13	---	---	---	---	---	---	---	---	---	---	0.0864	0	13
14	---	---	---	---	---	---	---	---	---	---	0.0864	0	14
15	---	---	---	---	---	---	---	---	---	---	3.04	0	15
16	---	---	---	---	---	---	---	---	---	---	6.87	0	16
17	---	---	---	---	---	---	---	---	---	---	1.39	0	17
18	---	---	---	---	---	---	---	---	---	---	0.407	0	18
19	---	---	---	---	---	---	---	---	---	---	0.227	0	19
20	---	---	---	---	---	---	---	---	---	---	0.220	0	20
21	---	---	---	---	---	---	---	---	---	---	0.140	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0864	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0864	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0864	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0864	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0864	0	26
27	---	---	---	---	---	---	---	---	---	---	0.115	0	27
28	---	---	---	---	---	---	---	---	---	---	0.292	0	28
29	---		---	---	---	---	---	---	---	---	0.155	0	29
30	---		---	---	---	---	---	---	---	---	0.119	0	30
31	---		---		---		---	---		---		0.130	31
TOTAL	---	---	---	---	---	---	---	---	---	---	14.3	0.612	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.476	0.0197	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	1.34	0.0363	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	6.87	0.130	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 14.9
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0034	0.0034	1
2	---	---	---	---	---	---	---	---	---	---	0.0006	0.0037	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0022	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0014	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0029	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0034	6
7	---	---	---	---	---	---	---	---	---	---	0.0046	0.0007	7
8	---	---	---	---	---	---	---	---	---	---	0.0037	0	8
9	---	---	---	---	---	---	---	---	---	---	0.0034*	0	9
10	---	---	---	---	---	---	---	---	---	---	0.0070	0	10
11	---	---	---	---	---	---	---	---	---	---	0.0041	0	11
12	---	---	---	---	---	---	---	---	---	---	0.0034	0.0007*	12
13	---	---	---	---	---	---	---	---	---	---	0.0034	0.0001*	13
14	---	---	---	---	---	---	---	---	---	---	0.0034*	0	14
15	---	---	---	---	---	---	---	---	---	---	0.455*	0	15
16	---	---	---	---	---	---	---	---	---	---	1.08*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.133*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0264	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0122	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0117	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0066	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0034	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0034	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0034	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0034	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0034	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0054	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0170	0	28
29	---		---	---	---	---	---	---	---	---	0.0075	0	29
30	---		---	---	---	---	---	---	---	---	0.0053*	0	30
31	---		---		---		---	---		---		0.0058	31
TOTAL	---	---	---	---	---	---	---	---	---	---	1.82	0.0244	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0605	0.0008	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.211	0.0015	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.08	0.0058	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 1.84

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 326.1951 B1= 1.3042 A2= 0.0000 B2= 0.0000 R^2= 0.8892 N= 12.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0128	0.0128	1
2	---	---	---	---	---	---	---	---	---	---	0.0021	0.0135	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0081	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0052	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0106	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0128	6
7	---	---	---	---	---	---	---	---	---	---	0.0167	0.0027	7
8	---	---	---	---	---	---	---	---	---	---	0.0135	0	8
9	---	---	---	---	---	---	---	---	---	---	0.0128*	0	9
10	---	---	---	---	---	---	---	---	---	---	0.0258	0	10
11	---	---	---	---	---	---	---	---	---	---	0.0151	0	11
12	---	---	---	---	---	---	---	---	---	---	0.0128	0.0028*	12
13	---	---	---	---	---	---	---	---	---	---	0.0128	0.0002*	13
14	---	---	---	---	---	---	---	---	---	---	0.0128*	0	14
15	---	---	---	---	---	---	---	---	---	---	1.56*	0	15
16	---	---	---	---	---	---	---	---	---	---	3.70*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.469*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0951	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0445	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0427	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0242	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0128	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0128	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0128	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0128	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0128	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0198	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0616	0	28
29	---		---	---	---	---	---	---	---	---	0.0273	0	29
30	---		---	---	---	---	---	---	---	---	0.0196*	0	30
31	---		---		---		---	---		---		0.0215	31
TOTAL	---	---	---	---	---	---	---	---	---	---	6.27	0.0901	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.209	0.0029	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.721	0.0056	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	3.70	0.0215	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 6.36

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.0726 B1= 1.2871 A2= 0.0000 B2= 0.0000 R^2= 0.9701 N= 12.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0008	0.0008	1
2	---	---	---	---	---	---	---	---	---	---	0.0001	0.0008	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0005	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0003	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0007	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0008	6
7	---	---	---	---	---	---	---	---	---	---	0.0012	0.0002	7
8	---	---	---	---	---	---	---	---	---	---	0.0008	0	8
9	---	---	---	---	---	---	---	---	---	---	0.0008*	0	9
10	---	---	---	---	---	---	---	---	---	---	0.0018	0	10
11	---	---	---	---	---	---	---	---	---	---	0.0010	0	11
12	---	---	---	---	---	---	---	---	---	---	0.0008	0.0001*	12
13	---	---	---	---	---	---	---	---	---	---	0.0008	0.0000*	13
14	---	---	---	---	---	---	---	---	---	---	0.0008*	0	14
15	---	---	---	---	---	---	---	---	---	---	0.227*	0	15
16	---	---	---	---	---	---	---	---	---	---	0.555*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.0511*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0081	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0033	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0032	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0017	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0008	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0008	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0008	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0008	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0008	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0014	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0049	0	28
29	---		---	---	---	---	---	---	---	---	0.0019	0	29
30	---		---	---	---	---	---	---	---	---	0.0013*	0	30
31	---		---		---		---	---		---		0.0014	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.872	0.0056	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0291	0.0002	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.108	0.0004	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.555	0.0014	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 0.878

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2540 B1= 1.4812 A2= 0.0000 B2= 0.0000 R^2= 0.9343 N= 12.

TOTAL DAILY DISCHARGE FOR 1990 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	1.00	0.346	3.61	---	---	---	---	---	---	---	---	1
2	0	30.8	1.12	8.45	---	---	---	---	---	---	---	---	2
3	0	7.51	0.864	7.59	---	---	---	---	---	---	---	---	3
4	2.25	3.78	0.691	7.21	---	---	---	---	---	---	---	---	4
5	10.6	2.38	0.518	3.33	---	---	---	---	---	---	---	---	5
6	3.86	8.38	0.346	1.94	---	---	---	---	---	---	---	---	6
7	2.00	18.2	0.173	1.59	---	---	---	---	---	---	---	---	7
8	1.90	11.4	0.354	1.38	---	---	---	---	---	---	---	---	8
9	4.13	6.59	16.0	1.05	---	---	---	---	---	---	---	---	9
10	15.1	3.75	22.2	27.8	---	---	---	---	---	---	---	---	10
11	5.07	1.98	21.1	18.7	---	---	---	---	---	---	---	---	11
12	3.53	0.527	12.1	6.30	---	---	---	---	---	---	---	---	12
13	1.95	0.484	5.16	3.61	---	---	---	---	---	---	---	---	13
14	1.34	0.346	3.27	8.08	---	---	---	---	---	---	---	---	14
15	0.760	1.18	2.06	5.51	---	---	---	---	---	---	---	---	15
16	0.860	6.44	2.72	3.15	---	---	---	---	---	---	---	---	16
17	22.1	7.06	2.47	2.21	---	---	---	---	---	---	---	---	17
18	36.2	4.71	1.13	1.22	---	---	---	---	---	---	---	---	18
19	7.20	6.69	0.864	1.06	---	---	---	---	---	---	---	---	19
20	2.47	5.13	0.810	2.92	---	---	---	---	---	---	---	---	20
21	1.49	3.92	0.767	12.5	---	---	---	---	---	---	---	---	21
22	1.13	204	0.860	4.18	---	---	---	---	---	---	---	---	22
23	1.69	71.6	1.00	2.53	---	---	---	---	---	---	---	---	23
24	12.7	12.1	0.623	1.46	---	---	---	---	---	---	---	---	24
25	11.3	2.14	0.518	1.06	---	---	---	---	---	---	---	---	25
26	4.79	5.89	0.346	0.724	---	---	---	---	---	---	---	---	26
27	1.03	5.11	0.140	0.515	---	---	---	---	---	---	---	---	27
28	1.15	2.98	0.115	0.461	---	---	---	---	---	---	---	---	28
29	0.657		0.140	0.256	---	---	---	---	---	---	---	---	29
30	0.354		0.443	0.119	---	---	---	---	---	---	---	---	30
31	0.225		0.900		---		---	---		---			31
TOTAL	157	436	100	140	---	---	---	---	---	---	---	---	TOTAL
MEAN	5.09	15.6	3.23	4.69	---	---	---	---	---	---	---	---	MEAN
ST.D.	7.76	39.5	6.01	5.98	---	---	---	---	---	---	---	---	ST.D.
MAX	36.2	204	22.2	27.8	---	---	---	---	---	---	---	---	MAX
MIN	0	0.346	0.115	0.119	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 835
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.0475	0.0094	0.206	---	---	---	---	---	---	---	---	1
2	0	3.39	0.0437	0.614	---	---	---	---	---	---	---	---	2
3	0	0.531	0.0311	0.528*	---	---	---	---	---	---	---	---	3
4	0.108*	0.213	0.0232	0.496	---	---	---	---	---	---	---	---	4
5	0.816*	0.117	0.0160*	0.182	---	---	---	---	---	---	---	---	5
6	0.223*	0.688	0.0094	0.0892	---	---	---	---	---	---	---	---	6
7	0.0935*	1.65	0.0038	0.0691	---	---	---	---	---	---	---	---	7
8	0.0876	0.907	0.0097	0.0576	---	---	---	---	---	---	---	---	8
9	0.276	0.438	1.51	0.0402*	---	---	---	---	---	---	---	---	9
10	1.31	0.212	2.14	3.42*	---	---	---	---	---	---	---	---	10
11	0.314	0.0920	2.00	1.77*	---	---	---	---	---	---	---	---	11
12	0.198	0.0163	0.985	0.415	---	---	---	---	---	---	---	---	12
13	0.0915	0.0146	0.320	0.202*	---	---	---	---	---	---	---	---	13
14	0.0557	0.0094	0.177	0.589	---	---	---	---	---	---	---	---	14
15	0.0264	0.0532	0.0971	0.350	---	---	---	---	---	---	---	---	15
16	0.0311*	0.443	0.141	0.169	---	---	---	---	---	---	---	---	16
17	2.37*	0.487	0.123	0.107	---	---	---	---	---	---	---	---	17
18	4.19*	0.286	0.0445	0.0488*	---	---	---	---	---	---	---	---	18
19	0.507*	0.448	0.0311	0.0406	---	---	---	---	---	---	---	---	19
20	0.124	0.326	0.0286	0.187	---	---	---	---	---	---	---	---	20
21	0.0634	0.228	0.0266	1.04	---	---	---	---	---	---	---	---	21
22	0.0441	43.5	0.0311	0.244	---	---	---	---	---	---	---	---	22
23	0.0759	10.3	0.0381	0.128	---	---	---	---	---	---	---	---	23
24	1.07	1.07	0.0203	0.0619	---	---	---	---	---	---	---	---	24
25	0.884	0.125	0.0160	0.0408	---	---	---	---	---	---	---	---	25
26	0.298	0.381	0.0095	0.0249	---	---	---	---	---	---	---	---	26
27	0.0390	0.322	0.0030	0.0159	---	---	---	---	---	---	---	---	27
28	0.0451	0.157	0.0023	0.0138	---	---	---	---	---	---	---	---	28
29	0.0217		0.0030	0.0065	---	---	---	---	---	---	---	---	29
30	0.0097*		0.0132	0.0024	---	---	---	---	---	---	---	---	30
31	0.0054		0.0332		---		---	---		---		---	31
TOTAL	13.4	66.4	7.94	11.2	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.432	2.37	0.256	0.372	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.864	8.29	0.577	0.685	---	---	---	---	---	---	---	---	ST.D.
MAX	4.19	43.5	2.14	3.42	---	---	---	---	---	---	---	---	MAX
MIN	0	0.0094	0.0023	0.0024	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 98.9

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 144.7636 B1= 1.3023 A2= 0.0000 B2= 0.0000 R^2= 0.8883 N= 34.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.204	0.0412	0.883	---	---	---	---	---	---	---	---	1
2	0	14.3	0.189	2.62	---	---	---	---	---	---	---	---	2
3	0	2.26	0.135	2.25*	---	---	---	---	---	---	---	---	3
4	0.465*	0.914	0.101	2.12	---	---	---	---	---	---	---	---	4
5	3.48*	0.502	0.0696*	0.782	---	---	---	---	---	---	---	---	5
6	0.957*	2.92	0.0412	0.385	---	---	---	---	---	---	---	---	6
7	0.403*	6.98	0.0168	0.299	---	---	---	---	---	---	---	---	7
8	0.378	3.86	0.0425	0.249	---	---	---	---	---	---	---	---	8
9	1.18	1.87	6.41	0.174*	---	---	---	---	---	---	---	---	9
10	5.55	0.911	9.05	14.4*	---	---	---	---	---	---	---	---	10
11	1.35	0.397	8.49	7.50*	---	---	---	---	---	---	---	---	11
12	0.851	0.0711	4.19	1.78	---	---	---	---	---	---	---	---	12
13	0.394	0.0637	1.37	0.866*	---	---	---	---	---	---	---	---	13
14	0.241	0.0412	0.759	2.51	---	---	---	---	---	---	---	---	14
15	0.115	0.230	0.419	1.50	---	---	---	---	---	---	---	---	15
16	0.135*	1.89	0.605	0.724	---	---	---	---	---	---	---	---	16
17	10.0*	2.08	0.531	0.461	---	---	---	---	---	---	---	---	17
18	17.7*	1.22	0.193	0.211*	---	---	---	---	---	---	---	---	18
19	2.16*	1.92	0.135	0.176	---	---	---	---	---	---	---	---	19
20	0.535	1.39	0.124	0.797	---	---	---	---	---	---	---	---	20
21	0.274	0.978	0.116	4.43	---	---	---	---	---	---	---	---	21
22	0.191	180	0.135	1.05	---	---	---	---	---	---	---	---	22
23	0.327	43.3	0.165	0.551	---	---	---	---	---	---	---	---	23
24	4.53	4.52	0.0884	0.267	---	---	---	---	---	---	---	---	24
25	3.76	0.534	0.0698	0.177	---	---	---	---	---	---	---	---	25
26	1.28	1.63	0.0416	0.108	---	---	---	---	---	---	---	---	26
27	0.169	1.38	0.0131	0.0693	---	---	---	---	---	---	---	---	27
28	0.195	0.674	0.0102	0.0602	---	---	---	---	---	---	---	---	28
29	0.0946		0.0131	0.0285	---	---	---	---	---	---	---	---	29
30	0.0425*		0.0574	0.0106	---	---	---	---	---	---	---	---	30
31	0.0236		0.144		---		---	---		---			31
TOTAL	56.7	277	33.8	47.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.83	9.90	1.09	1.58	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.64	34.4	2.44	2.89	---	---	---	---	---	---	---	---	ST.D.
MAX	17.7	180	9.05	14.4	---	---	---	---	---	---	---	---	MAX
MIN	0	0.0412	0.0102	0.0106	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 415

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.6066 B1= 1.2947 A2= 0.0000 B2= 0.0000 R^2= 0.9092 N= 34.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.0332	0.0142	0.107	---	---	---	---	---	---	---	---	1
2	0	0.678	0.0393	0.223	---	---	---	---	---	---	---	---	2
3	0	0.201	0.0313	0.204*	---	---	---	---	---	---	---	---	3
4	0.0714*	0.112	0.0258	0.195	---	---	---	---	---	---	---	---	4
5	0.273*	0.0750	0.0201*	0.0999	---	---	---	---	---	---	---	---	5
6	0.113*	0.213	0.0142	0.0628	---	---	---	---	---	---	---	---	6
7	0.0645*	0.434	0.0078	0.0531	---	---	---	---	---	---	---	---	7
8	0.0618	0.290	0.0145	0.0469	---	---	---	---	---	---	---	---	8
9	0.116	0.181	0.379	0.0370*	---	---	---	---	---	---	---	---	9
10	0.369	0.111	0.516	0.586*	---	---	---	---	---	---	---	---	10
11	0.144	0.0640	0.495	0.441*	---	---	---	---	---	---	---	---	11
12	0.105	0.0204	0.304	0.174	---	---	---	---	---	---	---	---	12
13	0.0629	0.0190	0.146	0.107	---	---	---	---	---	---	---	---	13
14	0.0455	0.0142	0.0987	0.214	---	---	---	---	---	---	---	---	14
15	0.0280	0.0392	0.0662	0.155	---	---	---	---	---	---	---	---	15
16	0.0311*	0.175	0.0838	0.0955	---	---	---	---	---	---	---	---	16
17	0.494*	0.191	0.0773	0.0703	---	---	---	---	---	---	---	---	17
18	0.778*	0.135	0.0394	0.0420*	---	---	---	---	---	---	---	---	18
19	0.194*	0.183	0.0313	0.0373	---	---	---	---	---	---	---	---	19
20	0.0772	0.144	0.0296	0.0842	---	---	---	---	---	---	---	---	20
21	0.0499	0.115	0.0282	0.312	---	---	---	---	---	---	---	---	21
22	0.0393	3.35	0.0311	0.122	---	---	---	---	---	---	---	---	22
23	0.0555	1.40	0.0356	0.0790	---	---	---	---	---	---	---	---	23
24	0.315	0.295	0.0236	0.0491	---	---	---	---	---	---	---	---	24
25	0.287	0.0630	0.0201	0.0374	---	---	---	---	---	---	---	---	25
26	0.136	0.164	0.0141	0.0268	---	---	---	---	---	---	---	---	26
27	0.0364	0.144	0.0065	0.0200	---	---	---	---	---	---	---	---	27
28	0.0400	0.0912	0.0055	0.0181	---	---	---	---	---	---	---	---	28
29	0.0247		0.0065	0.0108	---	---	---	---	---	---	---	---	29
30	0.0145*		0.0175	0.0056	---	---	---	---	---	---	---	---	30
31	0.0098		0.0323		---		---	---		---		---	31
TOTAL	4.04	8.93	2.65	3.72	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.130	0.319	0.0856	0.124	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.170	0.653	0.139	0.131	---	---	---	---	---	---	---	---	ST.D.
MAX	0.778	3.35	0.516	0.586	---	---	---	---	---	---	---	---	MAX
MIN	0	0.0142	0.0055	0.0056	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 19.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0193 B1= 0.8637 A2= 0.0000 B2= 0.0000 R^2= 0.4946 N= 33.

TOTAL DAILY DISCHARGE FOR 1990 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0864	0	0.0252	0	0	---	---	---	1
2	---	---	---	---	0.0612	0.0036	0	0	0	---	---	---	2
3	---	---	---	---	0.0036	0.169	0	0	0	---	---	---	3
4	---	---	---	---	7.98	0.428	0	0	0	---	---	---	4
5	---	---	---	---	10.2	0.0324	0	0	0	---	---	---	5
6	---	---	---	---	2.74	0	0	0	19.1	---	---	---	6
7	---	---	---	---	1.38	0	0	0	164	---	---	---	7
8	---	---	---	---	0.842	17.0	0	0	10.4	---	---	---	8
9	---	---	---	---	0.623	0.623	0	0	0.202	---	---	---	9
10	---	---	---	---	0.637	0.166	0	0	0.630	---	---	---	10
11	---	---	---	---	0.198	0.0864	0	0	0.374	---	---	---	11
12	---	---	---	---	0.0864	0.101	0	0.205	0.130	---	---	---	12
13	---	---	---	---	16.8	0.0864	0	2.69	0.0864	---	---	---	13
14	---	---	---	---	4.64	0.0864	2.16	0.266	26.2	---	---	---	14
15	---	---	---	---	2.38	0.0864	0.770	0.0108	21.3	---	---	---	15
16	---	---	---	---	28.1	0.0216	0.0072	0	59.1	---	---	---	16
17	---	---	---	---	13.2	0	0	0	5.79	---	---	---	17
18	---	---	---	---	4.72	0	0	0.194	0.331	---	---	---	18
19	---	---	---	---	1.82	0	0	27.1	48.9	---	---	---	19
20	---	---	---	---	1.27	0	0	1.93	8.67	---	---	---	20
21	---	---	---	---	0.601	0	0	0.558	1.80	---	---	---	21
22	---	---	---	---	0.241	0	0	0.464	4.24	---	---	---	22
23	---	---	---	---	0.137	0	0	0.108	1.18	---	---	---	23
24	---	---	---	---	0.0936	0	0	0.0864	0.616	---	---	---	24
25	---	---	---	---	0.0864	0	0	0	0.360	---	---	---	25
26	---	---	---	---	0.0864	0	0	0	0.191	---	---	---	26
27	---	---	---	---	0.0864	0.155	0	0	0.101	---	---	---	27
28	---	---	---	---	0.0828	1.17	0	0.266	0.0864	---	---	---	28
29	---		---	---	0.0720	0.220	0	0.436	0.0864	---	---	---	29
30	---		---	---	0	0.0828	0.0576	0.0324	0.0864	---	---	---	30
31	---		---		0		0.0108	0		---		---	31
TOTAL	---	---	---	---	99.2	20.5	3.03	34.3	374	---	---	---	TOTAL
MEAN	---	---	---	---	3.20	0.683	0.0977	1.11	12.5	---	---	---	MEAN
ST.D.	---	---	---	---	6.22	3.09	0.406	4.85	32.2	---	---	---	ST.D.
MAX	---	---	---	---	28.1	17.0	2.16	27.1	164	---	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 531
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0031	0	0.0009	0	0	---	---	---	1
2	---	---	---	---	0.0022	0.0001	0	0	0	---	---	---	2
3	---	---	---	---	0.0001	0.0080	0	0	0	---	---	---	3
4	---	---	---	---	1.45*	0.0276*	0	0	0	---	---	---	4
5	---	---	---	---	1.57*	0.0012	0	0	0	---	---	---	5
6	---	---	---	---	0.282	0	0	0	6.50*	---	---	---	6
7	---	---	---	---	0.115*	0	0	0	60.4*	---	---	---	7
8	---	---	---	---	0.0605	3.66	0	0	1.90	---	---	---	8
9	---	---	---	---	0.0407	0.0423	0	0	0.0101	---	---	---	9
10	---	---	---	---	0.0421	0.0075	0	0	0.0413	---	---	---	10
11	---	---	---	---	0.0099	0.0031	0	0	0.0212	---	---	---	11
12	---	---	---	---	0.0031*	0.0039	0	0.0130	0.0055	---	---	---	12
13	---	---	---	---	3.22*	0.0031	0	0.284*	0.0031	---	---	---	13
14	---	---	---	---	0.556*	0.0031	0.242	0.0154	7.10*	---	---	---	14
15	---	---	---	---	0.231*	0.0031	0.0664	0.0004	4.47*	---	---	---	15
16	---	---	---	---	6.66*	0.0008	0.0003	0	15.9*	---	---	---	16
17	---	---	---	---	2.18*	0	0	0	0.920*	---	---	---	17
18	---	---	---	---	0.571*	0	0	0.0230*	0.0187*	---	---	---	18
19	---	---	---	---	0.164*	0	0	5.45*	13.0*	---	---	---	19
20	---	---	---	---	0.102	0	0	0.226*	1.38*	---	---	---	20
21	---	---	---	---	0.0397*	0.0001*	0	0.0365*	0.171*	---	---	---	21
22	---	---	---	---	0.0121	0	0	0.0289*	0.583	---	---	---	22
23	---	---	---	---	0.0058	0	0.0001*	0.0043	0.0942	---	---	---	23
24	---	---	---	---	0.0035	0	0	0.0031	0.0402	---	---	---	24
25	---	---	---	---	0.0031	0	0	0	0.0200*	---	---	---	25
26	---	---	---	---	0.0031	0	0	0	0.0088	---	---	---	26
27	---	---	---	---	0.0031	0.0112	0	0	0.0039	---	---	---	27
28	---	---	---	---	0.0030	0.0931	0	0.0210	0.0031	---	---	---	28
29	---		---	---	0.0026	0.0113	0	0.0301	0.0031	---	---	---	29
30	---		---	---	0	0.0030	0.0025	0.0012	0.0031	---	---	---	30
31	---		---		0		0.0004	0		---		---	31
TOTAL	---	---	---	---	17.3	3.88	0.313	6.14	112	---	---	---	TOTAL
MEAN	---	---	---	---	0.560	0.129	0.0101	0.198	3.76	---	---	---	MEAN
ST.D.	---	---	---	---	1.36	0.667	0.0447	0.977	11.4	---	---	---	ST.D.
MAX	---	---	---	---	6.66	3.66	0.242	5.45	60.4	---	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 140

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 280.3302 B1= 1.2960 A2= 0.0000 B2= 0.0000 R^2= 0.9030 N= 68.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0104	0	0.0030	0	0	---	---	---	1
2	---	---	---	---	0.0074	0.0004	0	0	0	---	---	---	2
3	---	---	---	---	0.0004	0.0267	0	0	0	---	---	---	3
4	---	---	---	---	4.73*	0.0911*	0	0	0	---	---	---	4
5	---	---	---	---	5.14*	0.0039	0	0	0	---	---	---	5
6	---	---	---	---	0.925	0	0	0	21.0*	---	---	---	6
7	---	---	---	---	0.378*	0	0	0	194*	---	---	---	7
8	---	---	---	---	0.200	11.9	0	0	6.19	---	---	---	8
9	---	---	---	---	0.134	0.140	0	0	0.0334	---	---	---	9
10	---	---	---	---	0.139	0.0250	0	0	0.137	---	---	---	10
11	---	---	---	---	0.0329	0.0104	0	0	0.0700	---	---	---	11
12	---	---	---	---	0.0104*	0.0130	0	0.0430	0.0182	---	---	---	12
13	---	---	---	---	10.5*	0.0104	0	0.932*	0.0104	---	---	---	13
14	---	---	---	---	1.82*	0.0104	0.794	0.0508	23.0*	---	---	---	14
15	---	---	---	---	0.760*	0.0104	0.219	0.0013	14.5*	---	---	---	15
16	---	---	---	---	21.6*	0.0026	0.0009	0	51.4*	---	---	---	16
17	---	---	---	---	7.10*	0	0	0	3.00*	---	---	---	17
18	---	---	---	---	1.87*	0	0	0.0754*	0.0619*	---	---	---	18
19	---	---	---	---	0.541*	0	0	17.7*	42.3*	---	---	---	19
20	---	---	---	---	0.337	0	0	0.739*	4.49*	---	---	---	20
21	---	---	---	---	0.131*	0.0002*	0	0.120*	0.561*	---	---	---	21
22	---	---	---	---	0.0401	0	0	0.0954*	1.91	---	---	---	22
23	---	---	---	---	0.0193	0	0.0002*	0.0142	0.310	---	---	---	23
24	---	---	---	---	0.0117	0	0	0.0104	0.133	---	---	---	24
25	---	---	---	---	0.0104	0	0	0	0.0663*	---	---	---	25
26	---	---	---	---	0.0104	0	0	0	0.0292	---	---	---	26
27	---	---	---	---	0.0104	0.0371	0	0	0.0130	---	---	---	27
28	---	---	---	---	0.0100	0.307	0	0.0691	0.0104	---	---	---	28
29	---		---	---	0.0087	0.0376	0	0.0992	0.0104	---	---	---	29
30	---		---	---	0	0.0100	0.0083	0.0039	0.0104	---	---	---	30
31	---		---		0		0.0013	0		---		---	31
TOTAL	---	---	---	---	56.5	12.6	1.03	20.0	364	---	---	---	TOTAL
MEAN	---	---	---	---	1.82	0.421	0.0331	0.645	12.1	---	---	---	MEAN
ST.D.	---	---	---	---	4.40	2.17	0.147	3.18	36.8	---	---	---	ST.D.
MAX	---	---	---	---	21.6	11.9	0.794	17.7	194	---	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 454

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.9076 B1= 1.2920 A2= 0.0000 B2= 0.0000 R^2= 0.9397 N= 68.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0017	0	0.0005	0	0	---	---	---	1
2	---	---	---	---	0.0012	0.0001	0	0	0	---	---	---	2
3	---	---	---	---	0.0001	0.0039	0	0	0	---	---	---	3
4	---	---	---	---	0.363*	0.0115*	0	0	0	---	---	---	4
5	---	---	---	---	0.426*	0.0007	0	0	0	---	---	---	5
6	---	---	---	---	0.0932	0	0	0	1.19*	---	---	---	6
7	---	---	---	---	0.0422*	0	0	0	10.7*	---	---	---	7
8	---	---	---	---	0.0239	0.838	0	0	0.474*	---	---	---	8
9	---	---	---	---	0.0169	0.0171	0	0	0.0047	---	---	---	9
10	---	---	---	---	0.0173	0.0037	0	0	0.0171*	---	---	---	10
11	---	---	---	---	0.0047	0.0017	0	0	0.0094	---	---	---	11
12	---	---	---	---	0.0017*	0.0021	0	0.0055	0.0028	---	---	---	12
13	---	---	---	---	0.783*	0.0017	0	0.0926*	0.0017	---	---	---	13
14	---	---	---	---	0.171*	0.0017	0.0767	0.0067	1.46*	---	---	---	14
15	---	---	---	---	0.0787*	0.0017	0.0238	0.0002	1.04*	---	---	---	15
16	---	---	---	---	1.46*	0.0004	0.0001	0	3.27*	---	---	---	16
17	---	---	---	---	0.570*	0	0	0	0.245*	---	---	---	17
18	---	---	---	---	0.174*	0	0	0.0071*	0.0083*	---	---	---	18
19	---	---	---	---	0.0581*	0	0	1.30*	2.70*	---	---	---	19
20	---	---	---	---	0.0382	0	0	0.0695*	0.366*	---	---	---	20
21	---	---	---	---	0.0163*	0.0000*	0	0.0151*	0.0585*	---	---	---	21
22	---	---	---	---	0.0057	0	0	0.0122*	0.167	---	---	---	22
23	---	---	---	---	0.0030	0	0.0000*	0.0023	0.0353	---	---	---	23
24	---	---	---	---	0.0019	0	0	0.0017	0.0167	---	---	---	24
25	---	---	---	---	0.0017	0	0	0	0.0090*	---	---	---	25
26	---	---	---	---	0.0017	0	0	0	0.0043	---	---	---	26
27	---	---	---	---	0.0017	0.0044	0	0	0.0021	---	---	---	27
28	---	---	---	---	0.0017	0.0350	0	0.0079	0.0017	---	---	---	28
29	---		---	---	0.0014	0.0053	0	0.0120	0.0017	---	---	---	29
30	---		---	---	0	0.0017	0.0013	0.0007	0.0017	---	---	---	30
31	---		---		0		0.0002	0		---		---	31
TOTAL	---	---	---	---	4.36	0.931	0.103	1.53	21.8	---	---	---	TOTAL
MEAN	---	---	---	---	0.141	0.0310	0.0033	0.0493	0.725	---	---	---	MEAN
ST.D.	---	---	---	---	0.308	0.153	0.0143	0.232	2.05	---	---	---	ST.D.
MAX	---	---	---	---	1.46	0.838	0.0767	1.30	10.7	---	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 28.7

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0567 B1= 1.1503 A2= 0.0000 B2= 0.0000 R^2= 0.8422 N= 70.

TOTAL DAILY DISCHARGE FOR 1990 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0216	0	0.749	1
2	---	---	---	---	---	---	---	---	---	0	0	0.490	2
3	---	---	---	---	---	---	---	---	---	0	0	107	3
4	---	---	---	---	---	---	---	---	---	0.572	0.0072	41.2	4
5	---	---	---	---	---	---	---	---	---	0.702	22.6	4.85	5
6	---	---	---	---	---	---	---	---	---	0.151	20.6	2.61	6
7	---	---	---	---	---	---	---	---	---	0.0864	4.32	2.21	7
8	---	---	---	---	---	---	---	---	---	0.223	1.99	1.78	8
9	---	---	---	---	---	---	---	---	---	108	1.34	1.49	9
10	---	---	---	---	---	---	---	---	---	158	1.48	1.54	10
11	---	---	---	---	---	---	---	---	---	67.2	0.965	0.940	11
12	---	---	---	---	---	---	---	---	---	10.6	0.536	0.875	12
13	---	---	---	---	---	---	---	---	---	7.11	0.220	0.680	13
14	---	---	---	---	---	---	---	---	---	3.93	0.173	0.227	14
15	---	---	---	---	---	---	---	---	---	1.81	0.155	0.526	15
16	---	---	---	---	---	---	---	---	---	0.961	0.205	1.17	16
17	---	---	---	---	---	---	---	---	---	0.698	0.202	1.04	17
18	---	---	---	---	---	---	---	---	---	29.5	0.0900	6.24	18
19	---	---	---	---	---	---	---	---	---	6.42	0.0864	8.72	19
20	---	---	---	---	---	---	---	---	---	2.53	0.0864	3.13	20
21	---	---	---	---	---	---	---	---	---	1.44	0.0864	23.4	21
22	---	---	---	---	---	---	---	---	---	0.907	2.62	21.9	22
23	---	---	---	---	---	---	---	---	---	0.565	2.05	11.7	23
24	---	---	---	---	---	---	---	---	---	0.385	1.57	4.05	24
25	---	---	---	---	---	---	---	---	---	0.184	0.950	20.4	25
26	---	---	---	---	---	---	---	---	---	0.0864	0.457	16.6	26
27	---	---	---	---	---	---	---	---	---	0.0864	2.45	12.1	27
28	---	---	---	---	---	---	---	---	---	0.0864	10.3	19.6	28
29	---		---	---	---	---	---	---	---	0.0756	3.48	231	29
30	---		---	---	---	---	---	---	---	0	1.18	175	30
31	---		---		---		---	---		0		15.2	31
TOTAL	---	---	---	---	---	---	---	---	---	403	80.1	740	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	13.0	2.67	23.9	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	35.3	5.53	52.6	ST.D.
MAX	---	---	---	---	---	---	---	---	---	158	22.6	231	MAX
MIN	---	---	---	---	---	---	---	---	---	0	0	0.227	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 1224
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0016	0	0.0652	1
2	---	---	---	---	---	---	---	---	---	0	0	0.0415	2
3	---	---	---	---	---	---	---	---	---	0	0	13.4	3
4	---	---	---	---	---	---	---	---	---	0.0506	0.0005	4.73*	4
5	---	---	---	---	---	---	---	---	---	0.0610	2.59	0.476	5
6	---	---	---	---	---	---	---	---	---	0.0120	2.25*	0.246	6
7	---	---	---	---	---	---	---	---	---	0.0065	0.421	0.207	7
8	---	---	---	---	---	---	---	---	---	0.0182*	0.185	0.164	8
9	---	---	---	---	---	---	---	---	---	13.1*	0.121	0.136	9
10	---	---	---	---	---	---	---	---	---	19.5*	0.134	0.141	10
11	---	---	---	---	---	---	---	---	---	7.89*	0.0855	0.0830	11
12	---	---	---	---	---	---	---	---	---	1.09	0.0458	0.0769	12
13	---	---	---	---	---	---	---	---	---	0.715*	0.0177	0.0590	13
14	---	---	---	---	---	---	---	---	---	0.381	0.0137	0.0184	14
15	---	---	---	---	---	---	---	---	---	0.167*	0.0122	0.0451	15
16	---	---	---	---	---	---	---	---	---	0.0850	0.0165	0.105	16
17	---	---	---	---	---	---	---	---	---	0.0605	0.0162	0.0925	17
18	---	---	---	---	---	---	---	---	---	3.32	0.0068	0.641	18
19	---	---	---	---	---	---	---	---	---	0.643	0.0065	0.893	19
20	---	---	---	---	---	---	---	---	---	0.239	0.0065	0.299	20
21	---	---	---	---	---	---	---	---	---	0.130	0.0065	2.65	21
22	---	---	---	---	---	---	---	---	---	0.0799	0.252	2.38	22
23	---	---	---	---	---	---	---	---	---	0.0483	0.191	1.21	23
24	---	---	---	---	---	---	---	---	---	0.0322	0.143	0.396	24
25	---	---	---	---	---	---	---	---	---	0.0146	0.0840	2.24	25
26	---	---	---	---	---	---	---	---	---	0.0065	0.0386	1.77	26
27	---	---	---	---	---	---	---	---	---	0.0065	0.231	1.27	27
28	---	---	---	---	---	---	---	---	---	0.0065	1.07*	2.10	28
29	---		---	---	---	---	---	---	---	0.0057	0.336	29.5	29
30	---		---	---	---	---	---	---	---	0	0.106	21.9	30
31	---		---		---		---	---		0		1.62	31
TOTAL	---	---	---	---	---	---	---	---	---	47.7	8.39	89.0	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	1.54	0.280	2.87	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	4.30	0.620	6.66	ST.D.
MAX	---	---	---	---	---	---	---	---	---	19.5	2.59	29.5	MAX
MIN	---	---	---	---	---	---	---	---	---	0	0	0.0184	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 145

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 117.8561 B1= 1.0639 A2= 0.0000 B2= 0.0000 R^2= 0.9281 N= 15.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0074	0	0.251	1
2	---	---	---	---	---	---	---	---	---	0	0	0.165	2
3	---	---	---	---	---	---	---	---	---	0	0	34.4	3
4	---	---	---	---	---	---	---	---	---	0.192	0.0025	13.3*	4
5	---	---	---	---	---	---	---	---	---	0.236	7.28	1.60	5
6	---	---	---	---	---	---	---	---	---	0.0514	6.68*	0.865	6
7	---	---	---	---	---	---	---	---	---	0.0296	1.43	0.736	7
8	---	---	---	---	---	---	---	---	---	0.0756*	0.662	0.592	8
9	---	---	---	---	---	---	---	---	---	34.8*	0.446	0.497	9
10	---	---	---	---	---	---	---	---	---	50.7*	0.492	0.515	10
11	---	---	---	---	---	---	---	---	---	21.6*	0.323	0.315	11
12	---	---	---	---	---	---	---	---	---	3.46	0.180	0.293	12
13	---	---	---	---	---	---	---	---	---	2.34*	0.0745	0.228	13
14	---	---	---	---	---	---	---	---	---	1.30	0.0588	0.0769	14
15	---	---	---	---	---	---	---	---	---	0.603*	0.0527	0.177	15
16	---	---	---	---	---	---	---	---	---	0.322	0.0697	0.391	16
17	---	---	---	---	---	---	---	---	---	0.234	0.0684	0.348	17
18	---	---	---	---	---	---	---	---	---	9.54	0.0308	2.05	18
19	---	---	---	---	---	---	---	---	---	2.11	0.0296	2.86	19
20	---	---	---	---	---	---	---	---	---	0.841	0.0296	1.04	20
21	---	---	---	---	---	---	---	---	---	0.479	0.0296	7.58	21
22	---	---	---	---	---	---	---	---	---	0.304	0.867	7.11	22
23	---	---	---	---	---	---	---	---	---	0.190	0.682	3.82	23
24	---	---	---	---	---	---	---	---	---	0.130*	0.523	1.34	24
25	---	---	---	---	---	---	---	---	---	0.0624	0.318	6.64	25
26	---	---	---	---	---	---	---	---	---	0.0296	0.154	5.40	26
27	---	---	---	---	---	---	---	---	---	0.0296	0.812	3.95	27
28	---	---	---	---	---	---	---	---	---	0.0296	3.38*	6.37	28
29	---		---	---	---	---	---	---	---	0.0259	1.15	73.7	29
30	---		---	---	---	---	---	---	---	0	0.393	56.0	30
31	---		---		---		---	---		0		4.95	31
TOTAL	---	---	---	---	---	---	---	---	---	129	26.2	237	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	4.19	0.874	7.67	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	11.3	1.79	16.7	ST.D.
MAX	---	---	---	---	---	---	---	---	---	50.7	7.28	73.7	MAX
MIN	---	---	---	---	---	---	---	---	---	0	0	0.0769	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 393

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.3215 B1= 0.9910 A2= 0.0000 B2= 0.0000 R^2= 0.8998 N= 16.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0004	0	0.0151	1
2	---	---	---	---	---	---	---	---	---	0	0	0.0096	2
3	---	---	---	---	---	---	---	---	---	0	0	3.04	3
4	---	---	---	---	---	---	---	---	---	0.0117	0.0001	1.08*	4
5	---	---	---	---	---	---	---	---	---	0.0141	0.593	0.110	5
6	---	---	---	---	---	---	---	---	---	0.0028	0.516*	0.0567	6
7	---	---	---	---	---	---	---	---	---	0.0015	0.0971	0.0477	7
8	---	---	---	---	---	---	---	---	---	0.0042	0.0427	0.0378	8
9	---	---	---	---	---	---	---	---	---	2.99*	0.0279	0.0314	9
10	---	---	---	---	---	---	---	---	---	4.43*	0.0310	0.0326	10
11	---	---	---	---	---	---	---	---	---	1.80*	0.0198	0.0192	11
12	---	---	---	---	---	---	---	---	---	0.250	0.0106	0.0178	12
13	---	---	---	---	---	---	---	---	---	0.165*	0.0041	0.0137	13
14	---	---	---	---	---	---	---	---	---	0.0878	0.0032	0.0043	14
15	---	---	---	---	---	---	---	---	---	0.0386*	0.0028	0.0105	15
16	---	---	---	---	---	---	---	---	---	0.0197	0.0038	0.0243	16
17	---	---	---	---	---	---	---	---	---	0.0140	0.0038	0.0214	17
18	---	---	---	---	---	---	---	---	---	0.759	0.0016	0.147	18
19	---	---	---	---	---	---	---	---	---	0.148	0.0015	0.205	19
20	---	---	---	---	---	---	---	---	---	0.0551	0.0015	0.0689	20
21	---	---	---	---	---	---	---	---	---	0.0302	0.0015	0.607	21
22	---	---	---	---	---	---	---	---	---	0.0185	0.0581	0.545	22
23	---	---	---	---	---	---	---	---	---	0.0112	0.0441	0.279	23
24	---	---	---	---	---	---	---	---	---	0.0075*	0.0331	0.0912	24
25	---	---	---	---	---	---	---	---	---	0.0034	0.0195	0.512	25
26	---	---	---	---	---	---	---	---	---	0.0015	0.0090	0.406	26
27	---	---	---	---	---	---	---	---	---	0.0015	0.0533	0.291	27
28	---	---	---	---	---	---	---	---	---	0.0015	0.246*	0.482	28
29	---		---	---	---	---	---	---	---	0.0013	0.0775	6.71	29
30	---		---	---	---	---	---	---	---	0	0.0245	4.98	30
31	---		---		---		---	---		0		0.371	31
TOTAL	---	---	---	---	---	---	---	---	---	10.9	1.93	20.3	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	0.351	0.0642	0.654	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	0.978	0.142	1.51	ST.D.
MAX	---	---	---	---	---	---	---	---	---	4.43	0.593	6.71	MAX
MIN	---	---	---	---	---	---	---	---	---	0	0	0.0043	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 33.1

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0269 B1= 1.0605 A2= 0.0000 B2= 0.0000 R^2= 0.7016 N= 14.

TOTAL DAILY DISCHARGE FOR 1991 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.78	0	1.47	0.187	---	---	---	---	---	---	---	---	1
2	1.93	0.0792	15.7	0.115	---	---	---	---	---	---	---	---	2
3	0.752	1.74	10.3	0.0864	---	---	---	---	---	---	---	---	3
4	0.662	3.37	2.70	0.101	---	---	---	---	---	---	---	---	4
5	0.259	4.56	3.55	0.241	---	---	---	---	---	---	---	---	5
6	0.245	1.52	18.0	0.173	---	---	---	---	---	---	---	---	6
7	0.119	1.00	5.62	0.180	---	---	---	---	---	---	---	---	7
8	0.0864	0.958	1.88	0.677	---	---	---	---	---	---	---	---	8
9	0.0864	0.673	1.38	7.00	---	---	---	---	---	---	---	---	9
10	0.0864	0.562	1.05	2.11	---	---	---	---	---	---	---	---	10
11	1.68	0.306	0.688	0.439	---	---	---	---	---	---	---	---	11
12	3.67	0.173	0.382	0.288	---	---	---	---	---	---	---	---	12
13	0.742	0.187	0.371	0.378	---	---	---	---	---	---	---	---	13
14	0.752	0.144	0.281	0.482	---	---	---	---	---	---	---	---	14
15	6.58	0.0288	0.166	1.08	---	---	---	---	---	---	---	---	15
16	43.2	0	0.0936	0.583	---	---	---	---	---	---	---	---	16
17	17.6	0	0.133	0.371	---	---	---	---	---	---	---	---	17
18	4.59	0	0.932	0.292	---	---	---	---	---	---	---	---	18
19	4.97	41.3	0.616	23.5	---	---	---	---	---	---	---	---	19
20	13.4	30.5	0.385	94.9	---	---	---	---	---	---	---	---	20
21	5.14	16.6	0.349	21.8	---	---	---	---	---	---	---	---	21
22	3.91	16.4	0.310	7.69	---	---	---	---	---	---	---	---	22
23	0.421	10.9	0.331	2.46	---	---	---	---	---	---	---	---	23
24	0.209	2.75	0.299	3.62	---	---	---	---	---	---	---	---	24
25	0.0864	2.24	0.119	1.80	---	---	---	---	---	---	---	---	25
26	0.0864	1.16	0.0864	0.968	---	---	---	---	---	---	---	---	26
27	0.0864	1.17	0.324	0.569	---	---	---	---	---	---	---	---	27
28	0.0720	0.346	2.32	0.472	---	---	---	---	---	---	---	---	28
29	0.0108		0.482	0.382	---	---	---	---	---	---	---	---	29
30	0		0.234	0.245	---	---	---	---	---	---	---	---	30
31	0		0.176		---		---	---		---		---	31
TOTAL	115	138	70.7	173	---	---	---	---	---	---	---	---	TOTAL
MEAN	3.72	4.95	2.28	5.77	---	---	---	---	---	---	---	---	MEAN
ST.D.	8.36	9.94	4.41	17.8	---	---	---	---	---	---	---	---	ST.D.
MAX	43.2	41.3	18.0	94.9	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0864	0.0864	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 497
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.383	0	0.132*	0.0065	---	---	---	---	---	---	---	---	1
2	0.153	0.0027	2.78*	0.0034*	---	---	---	---	---	---	---	---	2
3	0.0435	0.175	1.66*	0.0022	---	---	---	---	---	---	---	---	3
4	0.0384	0.379	0.240*	0.0028	---	---	---	---	---	---	---	---	4
5	0.0100	0.491	0.357	0.0091	---	---	---	---	---	---	---	---	5
6	0.0093	0.112	3.37	0.0058	---	---	---	---	---	---	---	---	6
7	0.0036	0.0629	0.673	0.0061	---	---	---	---	---	---	---	---	7
8	0.0022	0.0598	0.147	0.0539	---	---	---	---	---	---	---	---	8
9	0.0022*	0.0364	0.0963	0.886	---	---	---	---	---	---	---	---	9
10	0.0022	0.0286	0.0681	0.181	---	---	---	---	---	---	---	---	10
11	0.187	0.0127	0.0382	0.0207	---	---	---	---	---	---	---	---	11
12	0.378	0.0058	0.0169	0.0116	---	---	---	---	---	---	---	---	12
13	0.0428	0.0065	0.0162	0.0167	---	---	---	---	---	---	---	---	13
14	0.0462	0.0046	0.0112	0.0237	---	---	---	---	---	---	---	---	14
15	0.958	0.0007	0.0055	0.0696	---	---	---	---	---	---	---	---	15
16	10.7	0	0.0025	0.0310	---	---	---	---	---	---	---	---	16
17	3.19	0	0.0042	0.0163	---	---	---	---	---	---	---	---	17
18	0.500	0	0.0585	0.0117	---	---	---	---	---	---	---	---	18
19	0.599*	10.8*	0.0329	7.17*	---	---	---	---	---	---	---	---	19
20	2.16	6.60	0.0171	30.7*	---	---	---	---	---	---	---	---	20
21	0.583	2.84	0.0149	4.16	---	---	---	---	---	---	---	---	21
22	0.442	2.76	0.0128	1.01*	---	---	---	---	---	---	---	---	22
23	0.0193	1.74	0.0139	0.213*	---	---	---	---	---	---	---	---	23
24	0.0076	0.246	0.0122	0.359	---	---	---	---	---	---	---	---	24
25	0.0022	0.185	0.0036	0.139	---	---	---	---	---	---	---	---	25
26	0.0022	0.0763	0.0022	0.0605	---	---	---	---	---	---	---	---	26
27	0.0022	0.0868	0.0157	0.0290	---	---	---	---	---	---	---	---	27
28	0.0019	0.0147	0.208	0.0225	---	---	---	---	---	---	---	---	28
29	0.0003		0.0234	0.0169	---	---	---	---	---	---	---	---	29
30	0		0.0089	0.0095	---	---	---	---	---	---	---	---	30
31	0		0.0059		---		---	---		---		---	31
TOTAL	20.4	26.7	10.1	45.3	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.659	0.954	0.324	1.51	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.98	2.38	0.803	5.71	---	---	---	---	---	---	---	---	ST.D.
MAX	10.7	10.8	3.37	30.7	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0022	0.0022	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 102

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 302.6293 B1= 1.3551 A2= 0.0000 B2= 0.0000 R^2= 0.9538 N= 18.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.13	0	0.387*	0.0174	---	---	---	---	---	---	---	---	1
2	0.441	0.0073	8.61*	0.0091*	---	---	---	---	---	---	---	---	2
3	0.122	0.519	5.10*	0.0059	---	---	---	---	---	---	---	---	3
4	0.108	1.13	0.701*	0.0075	---	---	---	---	---	---	---	---	4
5	0.0271	1.46	1.05	0.0247	---	---	---	---	---	---	---	---	5
6	0.0252	0.323	10.5	0.0155	---	---	---	---	---	---	---	---	6
7	0.0095	0.178	2.02	0.0164	---	---	---	---	---	---	---	---	7
8	0.0059	0.170	0.426	0.157	---	---	---	---	---	---	---	---	8
9	0.0059*	0.102	0.275	2.67	---	---	---	---	---	---	---	---	9
10	0.0059	0.0797	0.194	0.528	---	---	---	---	---	---	---	---	10
11	0.559	0.0347	0.107	0.0574	---	---	---	---	---	---	---	---	11
12	1.12	0.0155	0.0465	0.0317	---	---	---	---	---	---	---	---	12
13	0.121	0.0174	0.0446	0.0460	---	---	---	---	---	---	---	---	13
14	0.131	0.0124	0.0304	0.0657	---	---	---	---	---	---	---	---	14
15	2.92	0.0020	0.0148	0.198	---	---	---	---	---	---	---	---	15
16	34.0	0	0.0067	0.0868	---	---	---	---	---	---	---	---	16
17	9.90	0	0.0113	0.0448	---	---	---	---	---	---	---	---	17
18	1.49	0	0.166	0.0321	---	---	---	---	---	---	---	---	18
19	1.80*	34.5*	0.0920	23.3*	---	---	---	---	---	---	---	---	19
20	6.62	20.8	0.0471	100*	---	---	---	---	---	---	---	---	20
21	1.74	8.77	0.0410	13.0	---	---	---	---	---	---	---	---	21
22	1.32	8.52	0.0349	3.04*	---	---	---	---	---	---	---	---	22
23	0.0532	5.36	0.0382	0.620*	---	---	---	---	---	---	---	---	23
24	0.0205	0.718	0.0332	1.06	---	---	---	---	---	---	---	---	24
25	0.0059	0.538	0.0095	0.401	---	---	---	---	---	---	---	---	25
26	0.0059	0.217	0.0059	0.172	---	---	---	---	---	---	---	---	26
27	0.0059	0.250	0.0437	0.0807	---	---	---	---	---	---	---	---	27
28	0.0049	0.0404	0.609	0.0622	---	---	---	---	---	---	---	---	28
29	0.0007		0.0650	0.0465	---	---	---	---	---	---	---	---	29
30	0		0.0241	0.0258	---	---	---	---	---	---	---	---	30
31	0		0.0159		---		---	---		---		---	31
TOTAL	63.7	83.7	30.8	145	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.05	2.99	0.992	4.86	---	---	---	---	---	---	---	---	MEAN
ST.D.	6.29	7.59	2.49	18.6	---	---	---	---	---	---	---	---	ST.D.
MAX	34.0	34.5	10.5	100	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0059	0.0059	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 324

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.9803 B1= 1.3853 A2= 0.0000 B2= 0.0000 R^2= 0.9773 N= 18.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0577	0	0.0195*	0.0007	---	---	---	---	---	---	---	---	1
2	0.0216	0.0003	0.483*	0.0004*	---	---	---	---	---	---	---	---	2
3	0.0057	0.0266	0.282*	0.0002	---	---	---	---	---	---	---	---	3
4	0.0051	0.0589	0.0350*	0.0003	---	---	---	---	---	---	---	---	4
5	0.0012	0.0752	0.0538	0.0011	---	---	---	---	---	---	---	---	5
6	0.0011	0.0156	0.596	0.0007	---	---	---	---	---	---	---	---	6
7	0.0004	0.0084	0.106	0.0007	---	---	---	---	---	---	---	---	7
8	0.0002	0.0080	0.0209	0.0078	---	---	---	---	---	---	---	---	8
9	0.0002*	0.0047	0.0132	0.141	---	---	---	---	---	---	---	---	9
10	0.0002	0.0036	0.0092	0.0263	---	---	---	---	---	---	---	---	10
11	0.0291	0.0015	0.0050	0.0026	---	---	---	---	---	---	---	---	11
12	0.0574	0.0007	0.0021	0.0014	---	---	---	---	---	---	---	---	12
13	0.0056	0.0007	0.0020	0.0020	---	---	---	---	---	---	---	---	13
14	0.0062	0.0005	0.0013	0.0030	---	---	---	---	---	---	---	---	14
15	0.159	0.0001	0.0006	0.0094	---	---	---	---	---	---	---	---	15
16	2.01	0	0.0003	0.0040	---	---	---	---	---	---	---	---	16
17	0.557	0	0.0005	0.0020	---	---	---	---	---	---	---	---	17
18	0.0768	0	0.0078	0.0014	---	---	---	---	---	---	---	---	18
19	0.0949*	2.06*	0.0042	1.43*	---	---	---	---	---	---	---	---	19
20	0.365	1.21	0.0021	6.19*	---	---	---	---	---	---	---	---	20
21	0.0905	0.488	0.0018	0.735	---	---	---	---	---	---	---	---	21
22	0.0688	0.472	0.0015	0.162*	---	---	---	---	---	---	---	---	22
23	0.0024	0.296	0.0017	0.0309*	---	---	---	---	---	---	---	---	23
24	0.0009	0.0359	0.0015	0.0539	---	---	---	---	---	---	---	---	24
25	0.0002	0.0266	0.0004	0.0196	---	---	---	---	---	---	---	---	25
26	0.0002	0.0103	0.0002	0.0081	---	---	---	---	---	---	---	---	26
27	0.0002	0.0122	0.0020	0.0037	---	---	---	---	---	---	---	---	27
28	0.0002	0.0018	0.0305	0.0028	---	---	---	---	---	---	---	---	28
29	0.0000		0.0029	0.0021	---	---	---	---	---	---	---	---	29
30	0		0.0010	0.0011	---	---	---	---	---	---	---	---	30
31	0		0.0007		---		---	---		---		---	31
TOTAL	3.62	4.81	1.69	8.85	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.117	0.172	0.0545	0.295	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.371	0.448	0.141	1.15	---	---	---	---	---	---	---	---	ST.D.
MAX	2.01	2.06	0.596	6.19	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0002	0.0002	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 19.0

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0599 B1= 1.4435 A2= 0.0000 B2= 0.0000 R^2= 0.9559 N= 18.

TOTAL DAILY DISCHARGE FOR 1991 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.251	58.3	0	0	0	0	---	---	1
2	---	---	---	---	0.207	12.2	0	0	0	0	---	---	2
3	---	---	---	---	0.130	7.34	0	0	0	0	---	---	3
4	---	---	---	---	0.112	2.85	0	0	0	0.0086	---	---	4
5	---	---	---	---	0.138	0.467	0	0	0	0.0086	---	---	5
6	---	---	---	---	0.311	0.276	0	0	0	0.0086	---	---	6
7	---	---	---	---	0.181	0.207	0	0	0	0	---	---	7
8	---	---	---	---	0.121	0.173	0	0	0	0	---	---	8
9	---	---	---	---	0.130	0.173	0	0	0	0	---	---	9
10	---	---	---	---	0.173	0.147	0	0	0	0.0086	---	---	10
11	---	---	---	---	0.164	0.181	0	0	0	0.0173	---	---	11
12	---	---	---	---	0.199	0.164	0	0	0	0.0173	---	---	12
13	---	---	---	---	0.320	0.0864	0	0	0	0.0173	---	---	13
14	---	---	---	---	0.363	0.0605	0	0	0	0.0173	---	---	14
15	---	---	---	---	0.259	1.05	0	0	0	0.0173	---	---	15
16	---	---	---	---	0.207	3.49	0	0	0	0.0173	---	---	16
17	---	---	---	---	0.268	0.259	0	0	0	0.0173	---	---	17
18	---	---	---	---	0.242	0.112	0	0	0	0.0173	---	---	18
19	---	---	---	---	0.147	0.0518	0	0	0	0.0259	---	---	19
20	---	---	---	---	0.104	0.0432	0	0	0	0.0259	---	---	20
21	---	---	---	---	0.104	0.0259	0	0	0	0.0173	---	---	21
22	---	---	---	---	0.0691	0.0259	0	0	0	0.0086	---	---	22
23	---	---	---	---	0.0605	0.0259	0	0	0	0.0086	---	---	23
24	---	---	---	---	0.0864	0.0259	0	0	0	0.104	---	---	24
25	---	---	---	---	0.199	0.0173	0	0	0	2.20	---	---	25
26	---	---	---	---	29.1	0.0173	0	0	0	7.06	---	---	26
27	---	---	---	---	7.72	0.0086	0	0	0	8.99	---	---	27
28	---	---	---	---	3.44	0	0	0	0	3.02	---	---	28
29	---		---	---	1.34	0	0	0	0	0.276	---	---	29
30	---		---	---	2.17	0	0	0	0	0.138	---	---	30
31	---		---		6.60		0	0		0.164		---	31
TOTAL	---	---	---	---	54.9	87.8	0	0	0	22.2	---	---	TOTAL
MEAN	---	---	---	---	1.77	2.93	0	0	0	0.716	---	---	MEAN
ST.D.	---	---	---	---	5.39	10.8	0	0	0	2.07	---	---	ST.D.
MAX	---	---	---	---	29.1	58.3	0	0	0	8.99	---	---	MAX
MIN	---	---	---	---	0.0605	0	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 164
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0146	10.1*	0	0	0	0	---	---	1
2	---	---	---	---	0.0116	1.54*	0	0	0	0	---	---	2
3	---	---	---	---	0.0066	0.840*	0	0	0	0	---	---	3
4	---	---	---	---	0.0056	0.270*	0	0	0	0.0003	---	---	4
5	---	---	---	---	0.0071	0.0307	0	0	0	0.0003	---	---	5
6	---	---	---	---	0.0189	0.0164	0	0	0	0.0003	---	---	6
7	---	---	---	---	0.0099	0.0116	0	0	0	0	---	---	7
8	---	---	---	---	0.0061	0.0093	0	0	0	0	---	---	8
9	---	---	---	---	0.0066	0.0093	0	0	0	0	---	---	9
10	---	---	---	---	0.0093	0.0077	0	0	0	0.0003	---	---	10
11	---	---	---	---	0.0088	0.0099	0	0	0	0.0006	---	---	11
12	---	---	---	---	0.0110	0.0088	0	0	0	0.0006	---	---	12
13	---	---	---	---	0.0195	0.0041*	0	0	0	0.0006	---	---	13
14	---	---	---	---	0.0227	0.0026	0	0	0	0.0006	---	---	14
15	---	---	---	---	0.0152	0.0809	0	0	0	0.0006	---	---	15
16	---	---	---	---	0.0116	0.344	0	0	0	0.0006	---	---	16
17	---	---	---	---	0.0158	0.0152	0	0	0	0.0006	---	---	17
18	---	---	---	---	0.0140	0.0056	0	0	0	0.0006	---	---	18
19	---	---	---	---	0.0077	0.0022	0	0	0	0.0010	---	---	19
20	---	---	---	---	0.0051	0.0018	0	0	0	0.0010	---	---	20
21	---	---	---	---	0.0051	0.0010	0	0	0	0.0006	---	---	21
22	---	---	---	---	0.0031	0.0010	0	0	0	0.0003	---	---	22
23	---	---	---	---	0.0026*	0.0010	0	0	0	0.0003	---	---	23
24	---	---	---	---	0.0041	0.0010	0	0	0	0.0051*	---	---	24
25	---	---	---	---	0.0110	0.0006	0	0	0	0.198*	---	---	25
26	---	---	---	---	4.38*	0.0006	0	0	0	0.801*	---	---	26
27	---	---	---	---	0.891*	0.0003	0	0	0	1.07*	---	---	27
28	---	---	---	---	0.338	0	0	0	0	0.288*	---	---	28
29	---		---	---	0.109*	0	0	0	0	0.0164	---	---	29
30	---		---	---	0.194	0	0	0	0	0.0071	---	---	30
31	---		---		0.739*		0	0		0.0088		---	31
TOTAL	---	---	---	---	6.91	13.3	0	0	0	2.40	---	---	TOTAL
MEAN	---	---	---	---	0.223	0.444	0	0	0	0.0775	---	---	MEAN
ST.D.	---	---	---	---	0.800	1.85	0	0	0	0.240	---	---	ST.D.
MAX	---	---	---	---	4.38	10.1	0	0	0	1.07	---	---	MAX
MIN	---	---	---	---	0.0026	0	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 22.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 187.1837 B1= 1.2000 A2= 0.0000 B2= 0.0000 R^2= 0.8252 N= 22.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0432	54.7*	0	0	0	0	---	---	1
2	---	---	---	---	0.0337	7.03*	0	0	0	0	---	---	2
3	---	---	---	---	0.0182	3.62*	0	0	0	0	---	---	3
4	---	---	---	---	0.0151	1.05*	0	0	0	0.0005	---	---	4
5	---	---	---	---	0.0198	0.0976	0	0	0	0.0005	---	---	5
6	---	---	---	---	0.0574	0.0492	0	0	0	0.0005	---	---	6
7	---	---	---	---	0.0263	0.0337	0	0	0	0	---	---	7
8	---	---	---	---	0.0166	0.0266	0	0	0	0	---	---	8
9	---	---	---	---	0.0182	0.0266	0	0	0	0	---	---	9
10	---	---	---	---	0.0266	0.0215	0	0	0	0.0005	---	---	10
11	---	---	---	---	0.0248	0.0283	0	0	0	0.0013	---	---	11
12	---	---	---	---	0.0319	0.0248	0	0	0	0.0013	---	---	12
13	---	---	---	---	0.0595	0.0107*	0	0	0	0.0013	---	---	13
14	---	---	---	---	0.0702	0.0067	0	0	0	0.0013	---	---	14
15	---	---	---	---	0.0452	0.281	0	0	0	0.0013	---	---	15
16	---	---	---	---	0.0337	1.37	0	0	0	0.0013	---	---	16
17	---	---	---	---	0.0472	0.0452	0	0	0	0.0013	---	---	17
18	---	---	---	---	0.0413	0.0151	0	0	0	0.0013	---	---	18
19	---	---	---	---	0.0215	0.0055	0	0	0	0.0022	---	---	19
20	---	---	---	---	0.0136	0.0043	0	0	0	0.0022	---	---	20
21	---	---	---	---	0.0136	0.0022	0	0	0	0.0013	---	---	21
22	---	---	---	---	0.0080	0.0022	0	0	0	0.0005	---	---	22
23	---	---	---	---	0.0066*	0.0022	0	0	0	0.0005	---	---	23
24	---	---	---	---	0.0107	0.0022	0	0	0	0.0136*	---	---	24
25	---	---	---	---	0.0319	0.0013	0	0	0	0.747*	---	---	25
26	---	---	---	---	22.0*	0.0013	0	0	0	3.44*	---	---	26
27	---	---	---	---	3.86*	0.0005	0	0	0	4.71*	---	---	27
28	---	---	---	---	1.34	0	0	0	0	1.13*	---	---	28
29	---		---	---	0.389*	0	0	0	0	0.0492	---	---	29
30	---		---	---	0.731	0	0	0	0	0.0198	---	---	30
31	---		---		3.15*		0	0		0.0248		---	31
TOTAL	---	---	---	---	32.2	68.5	0	0	0	10.2	---	---	TOTAL
MEAN	---	---	---	---	1.04	2.28	0	0	0	0.327	---	---	MEAN
ST.D.	---	---	---	---	3.99	10.0	0	0	0	1.04	---	---	ST.D.
MAX	---	---	---	---	22.0	54.7	0	0	0	4.71	---	---	MAX
MIN	---	---	---	---	0.0066	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 110

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.0602 B1= 1.3108 A2= 0.0000 B2= 0.0000 R^2= 0.8783 N= 23.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0126	5.38*	0	0	0	0	---	---	1
2	---	---	---	---	0.0102	0.944*	0	0	0	0	---	---	2
3	---	---	---	---	0.0061	0.538*	0	0	0	0	---	---	3
4	---	---	---	---	0.0052	0.188*	0	0	0	0.0003	---	---	4
5	---	---	---	---	0.0065	0.0252	0	0	0	0.0003	---	---	5
6	---	---	---	---	0.0160	0.0141	0	0	0	0.0003	---	---	6
7	---	---	---	---	0.0088	0.0102	0	0	0	0	---	---	7
8	---	---	---	---	0.0056	0.0083	0	0	0	0	---	---	8
9	---	---	---	---	0.0061	0.0083	0	0	0	0	---	---	9
10	---	---	---	---	0.0083	0.0070	0	0	0	0.0003	---	---	10
11	---	---	---	---	0.0079	0.0088	0	0	0	0.0006	---	---	11
12	---	---	---	---	0.0097	0.0079	0	0	0	0.0006	---	---	12
13	---	---	---	---	0.0165	0.0039*	0	0	0	0.0006	---	---	13
14	---	---	---	---	0.0190	0.0026	0	0	0	0.0006	---	---	14
15	---	---	---	---	0.0131	0.0617	0	0	0	0.0006	---	---	15
16	---	---	---	---	0.0102	0.235	0	0	0	0.0006	---	---	16
17	---	---	---	---	0.0136	0.0131	0	0	0	0.0006	---	---	17
18	---	---	---	---	0.0121	0.0052	0	0	0	0.0006	---	---	18
19	---	---	---	---	0.0070	0.0022	0	0	0	0.0010	---	---	19
20	---	---	---	---	0.0047	0.0018	0	0	0	0.0010	---	---	20
21	---	---	---	---	0.0047	0.0010	0	0	0	0.0006	---	---	21
22	---	---	---	---	0.0030	0.0010	0	0	0	0.0003	---	---	22
23	---	---	---	---	0.0026*	0.0010	0	0	0	0.0003	---	---	23
24	---	---	---	---	0.0039	0.0010	0	0	0	0.0047*	---	---	24
25	---	---	---	---	0.0097	0.0006	0	0	0	0.141*	---	---	25
26	---	---	---	---	2.49*	0.0006	0	0	0	0.515*	---	---	26
27	---	---	---	---	0.568*	0.0003	0	0	0	0.673*	---	---	27
28	---	---	---	---	0.232	0	0	0	0	0.200*	---	---	28
29	---		---	---	0.0812*	0	0	0	0	0.0141	---	---	29
30	---		---	---	0.139	0	0	0	0	0.0065	---	---	30
31	---		---		0.478*		0	0		0.0079		---	31
TOTAL	---	---	---	---	4.21	7.47	0	0	0	1.57	---	---	TOTAL
MEAN	---	---	---	---	0.136	0.249	0	0	0	0.0507	---	---	MEAN
ST.D.	---	---	---	---	0.456	0.989	0	0	0	0.153	---	---	ST.D.
MAX	---	---	---	---	2.49	5.38	0	0	0	0.673	---	---	MAX
MIN	---	---	---	---	0.0026	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 13.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0964 B1= 1.1113 A2= 0.0000 B2= 0.0000 R^2= 0.7773 N= 24.

TOTAL DAILY DISCHARGE FOR 1991 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.138	2.66	1
2	---	---	---	---	---	---	---	---	---	---	0.251	0.665	2
3	---	---	---	---	---	---	---	---	---	---	0.156	12.4	3
4	---	---	---	---	---	---	---	---	---	---	0.0518	5.13	4
5	---	---	---	---	---	---	---	---	---	---	0.0346	1.52	5
6	---	---	---	---	---	---	---	---	---	---	0.0259	0.631	6
7	---	---	---	---	---	---	---	---	---	---	0.0259	6.66	7
8	---	---	---	---	---	---	---	---	---	---	0.0173	7.59	8
9	---	---	---	---	---	---	---	---	---	---	0.0173	4.25	9
10	---	---	---	---	---	---	---	---	---	---	0.0173	1.78	10
11	---	---	---	---	---	---	---	---	---	---	0.0173	0.631	11
12	---	---	---	---	---	---	---	---	---	---	0.0259	0.579	12
13	---	---	---	---	---	---	---	---	---	---	0.0259	2.89	13
14	---	---	---	---	---	---	---	---	---	---	0.0173	1.91	14
15	---	---	---	---	---	---	---	---	---	---	0.0259	0.415	15
16	---	---	---	---	---	---	---	---	---	---	0.0518	0.207	16
17	---	---	---	---	---	---	---	---	---	---	0.0346	0.251	17
18	---	---	---	---	---	---	---	---	---	---	0.0864	0.156	18
19	---	---	---	---	---	---	---	---	---	---	1.30	0.0518	19
20	---	---	---	---	---	---	---	---	---	---	19.0	0.0432	20
21	---	---	---	---	---	---	---	---	---	---	18.9	0.0950	21
22	---	---	---	---	---	---	---	---	---	---	5.20	0.112	22
23	---	---	---	---	---	---	---	---	---	---	2.55	0.216	23
24	---	---	---	---	---	---	---	---	---	---	2.75	0.302	24
25	---	---	---	---	---	---	---	---	---	---	0.415	0.216	25
26	---	---	---	---	---	---	---	---	---	---	0.190	0.112	26
27	---	---	---	---	---	---	---	---	---	---	0.138	0.104	27
28	---	---	---	---	---	---	---	---	---	---	0.164	0.104	28
29	---		---	---	---	---	---	---	---	---	5.41	2.57	29
30	---		---	---	---	---	---	---	---	---	6.11	8.90	30
31	---		---		---		---	---		---		3.99	31
TOTAL	---	---	---	---	---	---	---	---	---	---	63.2	67.2	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	2.11	2.17	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	4.90	3.08	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	19.0	12.4	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0173	0.0432	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 130
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0040	0.157	1
2	---	---	---	---	---	---	---	---	---	---	0.0083	0.0280	2
3	---	---	---	---	---	---	---	---	---	---	0.0046	1.07	3
4	---	---	---	---	---	---	---	---	---	---	0.0012	0.355	4
5	---	---	---	---	---	---	---	---	---	---	0.0007	0.0782	5
6	---	---	---	---	---	---	---	---	---	---	0.0005	0.0262	6
7	---	---	---	---	---	---	---	---	---	---	0.0005	0.491	7
8	---	---	---	---	---	---	---	---	---	---	0.0003	0.577	8
9	---	---	---	---	---	---	---	---	---	---	0.0003	0.281*	9
10	---	---	---	---	---	---	---	---	---	---	0.0003	0.0951	10
11	---	---	---	---	---	---	---	---	---	---	0.0003	0.0262	11
12	---	---	---	---	---	---	---	---	---	---	0.0005	0.0235	12
13	---	---	---	---	---	---	---	---	---	---	0.0005	0.174	13
14	---	---	---	---	---	---	---	---	---	---	0.0003	0.104	14
15	---	---	---	---	---	---	---	---	---	---	0.0005	0.0155	15
16	---	---	---	---	---	---	---	---	---	---	0.0012	0.0066	16
17	---	---	---	---	---	---	---	---	---	---	0.0007	0.0083	17
18	---	---	---	---	---	---	---	---	---	---	0.0022*	0.0046	18
19	---	---	---	---	---	---	---	---	---	---	0.0641*	0.0012	19
20	---	---	---	---	---	---	---	---	---	---	1.81*	0.0009	20
21	---	---	---	---	---	---	---	---	---	---	1.80*	0.0025	21
22	---	---	---	---	---	---	---	---	---	---	0.361*	0.0031	22
23	---	---	---	---	---	---	---	---	---	---	0.149	0.0069	23
24	---	---	---	---	---	---	---	---	---	---	0.163	0.0105	24
25	---	---	---	---	---	---	---	---	---	---	0.0155*	0.0069	25
26	---	---	---	---	---	---	---	---	---	---	0.0059	0.0031	26
27	---	---	---	---	---	---	---	---	---	---	0.0040	0.0028	27
28	---	---	---	---	---	---	---	---	---	---	0.0049	0.0028	28
29	---		---	---	---	---	---	---	---	---	0.379*	0.150	29
30	---		---	---	---	---	---	---	---	---	0.441	0.704	30
31	---		---		---		---	---		---		0.260	31
TOTAL	---	---	---	---	---	---	---	---	---	---	5.22	4.67	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.174	0.151	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.460	0.251	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.81	1.07	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0003	0.0009	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 9.90

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 137.8384 B1= 1.2441 A2= 0.0000 B2= 0.0000 R^2= 0.8815 N= 13.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0156	0.473	1
2	---	---	---	---	---	---	---	---	---	---	0.0310	0.0956	2
3	---	---	---	---	---	---	---	---	---	---	0.0179	2.80	3
4	---	---	---	---	---	---	---	---	---	---	0.0050	1.01	4
5	---	---	---	---	---	---	---	---	---	---	0.0032	0.248	5
6	---	---	---	---	---	---	---	---	---	---	0.0023	0.0899	6
7	---	---	---	---	---	---	---	---	---	---	0.0023	1.36	7
8	---	---	---	---	---	---	---	---	---	---	0.0014	1.58	8
9	---	---	---	---	---	---	---	---	---	---	0.0014	0.812*	9
10	---	---	---	---	---	---	---	---	---	---	0.0014	0.297	10
11	---	---	---	---	---	---	---	---	---	---	0.0014	0.0899	11
12	---	---	---	---	---	---	---	---	---	---	0.0023	0.0814	12
13	---	---	---	---	---	---	---	---	---	---	0.0023	0.521	13
14	---	---	---	---	---	---	---	---	---	---	0.0014	0.322	14
15	---	---	---	---	---	---	---	---	---	---	0.0023	0.0554	15
16	---	---	---	---	---	---	---	---	---	---	0.0050	0.0249	16
17	---	---	---	---	---	---	---	---	---	---	0.0032	0.0310	17
18	---	---	---	---	---	---	---	---	---	---	0.0091*	0.0179	18
19	---	---	---	---	---	---	---	---	---	---	0.206*	0.0050	19
20	---	---	---	---	---	---	---	---	---	---	4.57*	0.0041	20
21	---	---	---	---	---	---	---	---	---	---	4.54	0.0101	21
22	---	---	---	---	---	---	---	---	---	---	1.02*	0.0123	22
23	---	---	---	---	---	---	---	---	---	---	0.450	0.0261	23
24	---	---	---	---	---	---	---	---	---	---	0.491	0.0385	24
25	---	---	---	---	---	---	---	---	---	---	0.0554*	0.0261	25
26	---	---	---	---	---	---	---	---	---	---	0.0225	0.0123	26
27	---	---	---	---	---	---	---	---	---	---	0.0156	0.0112	27
28	---	---	---	---	---	---	---	---	---	---	0.0190	0.0112	28
29	---		---	---	---	---	---	---	---	---	1.07*	0.453	29
30	---		---	---	---	---	---	---	---	---	1.23	1.90	30
31	---		---		---		---	---		---		0.755	31
TOTAL	---	---	---	---	---	---	---	---	---	---	13.8	13.2	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.460	0.425	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	1.16	0.670	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	4.57	2.80	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0014	0.0041	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 27.0

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.3031 B1= 1.1534 A2= 0.0000 B2= 0.0000 R^2= 0.9851 N= 8.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0039	0.137	1
2	---	---	---	---	---	---	---	---	---	---	0.0080	0.0260	2
3	---	---	---	---	---	---	---	---	---	---	0.0045	0.875	3
4	---	---	---	---	---	---	---	---	---	---	0.0012	0.302	4
5	---	---	---	---	---	---	---	---	---	---	0.0007	0.0701	5
6	---	---	---	---	---	---	---	---	---	---	0.0005	0.0243	6
7	---	---	---	---	---	---	---	---	---	---	0.0005	0.413	7
8	---	---	---	---	---	---	---	---	---	---	0.0003	0.483	8
9	---	---	---	---	---	---	---	---	---	---	0.0003	0.241*	9
10	---	---	---	---	---	---	---	---	---	---	0.0003	0.0847	10
11	---	---	---	---	---	---	---	---	---	---	0.0003	0.0243	11
12	---	---	---	---	---	---	---	---	---	---	0.0005	0.0220	12
13	---	---	---	---	---	---	---	---	---	---	0.0005	0.152	13
14	---	---	---	---	---	---	---	---	---	---	0.0003	0.0921	14
15	---	---	---	---	---	---	---	---	---	---	0.0005	0.0147	15
16	---	---	---	---	---	---	---	---	---	---	0.0012	0.0064	16
17	---	---	---	---	---	---	---	---	---	---	0.0007	0.0080	17
18	---	---	---	---	---	---	---	---	---	---	0.0022*	0.0045	18
19	---	---	---	---	---	---	---	---	---	---	0.0578*	0.0012	19
20	---	---	---	---	---	---	---	---	---	---	1.46*	0.0010	20
21	---	---	---	---	---	---	---	---	---	---	1.45*	0.0025	21
22	---	---	---	---	---	---	---	---	---	---	0.307*	0.0031	22
23	---	---	---	---	---	---	---	---	---	---	0.130	0.0067	23
24	---	---	---	---	---	---	---	---	---	---	0.143	0.0101	24
25	---	---	---	---	---	---	---	---	---	---	0.0147*	0.0067	25
26	---	---	---	---	---	---	---	---	---	---	0.0058	0.0031	26
27	---	---	---	---	---	---	---	---	---	---	0.0039	0.0028	27
28	---	---	---	---	---	---	---	---	---	---	0.0048	0.0028	28
29	---		---	---	---	---	---	---	---	---	0.322*	0.131	29
30	---		---	---	---	---	---	---	---	---	0.372	0.585	30
31	---		---		---		---	---		---		0.223	31
TOTAL	---	---	---	---	---	---	---	---	---	---	4.29	3.96	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.143	0.128	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.370	0.207	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.46	0.875	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0003	0.0010	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 8.25

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1039 B1= 1.2012 A2= 0.0000 B2= 0.0000 R^2= 0.9522 N= 13.

TOTAL DAILY DISCHARGE FOR 1992 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.73	0.986	2.86	---	---	---	---	---	---	---	---	---	1
2	1.72	0.871	2.78	---	---	---	---	---	---	---	---	---	2
3	12.9	0.796	2.25	---	---	---	---	---	---	---	---	---	3
4	5.97	0.756	2.08	---	---	---	---	---	---	---	---	---	4
5	2.74	0.630	1.81	---	---	---	---	---	---	---	---	---	5
6	1.91	0.626	2.36	---	---	---	---	---	---	---	---	---	6
7	1.21	0.698	35.9	---	---	---	---	---	---	---	---	---	7
8	0.983	0.598	15.1	---	---	---	---	---	---	---	---	---	8
9	1.11	0.378	5.97	---	---	---	---	---	---	---	---	---	9
10	1.09	0.346	29.8	---	---	---	---	---	---	---	---	---	10
11	0.810	0.346	6.29	---	---	---	---	---	---	---	---	---	11
12	0.662	0.302	2.73	---	---	---	---	---	---	---	---	---	12
13	1.79	0.292	1.71	---	---	---	---	---	---	---	---	---	13
14	4.32	0.284	1.27	---	---	---	---	---	---	---	---	---	14
15	0.691	19.4	0.911	---	---	---	---	---	---	---	---	---	15
16	0.605	58.3	0.781	---	---	---	---	---	---	---	---	---	16
17	0.518	48.4	1.51	---	---	---	---	---	---	---	---	---	17
18	0.432	37.2	1.59	---	---	---	---	---	---	---	---	---	18
19	0.346	103	1.34	---	---	---	---	---	---	---	---	---	19
20	0.346	52.7	0.958	---	---	---	---	---	---	---	---	---	20
21	0.346	32.8	0.810	---	---	---	---	---	---	---	---	---	21
22	0.864	19.1	1.13	---	---	---	---	---	---	---	---	---	22
23	9.59	17.8	1.07	---	---	---	---	---	---	---	---	---	23
24	13.8	8.11	1.43	---	---	---	---	---	---	---	---	---	24
25	6.91	8.93	16.5	---	---	---	---	---	---	---	---	---	25
26	3.46	6.43	28.5	---	---	---	---	---	---	---	---	---	26
27	1.90	4.29	37.0	---	---	---	---	---	---	---	---	---	27
28	1.47	6.13	8.26	---	---	---	---	---	---	---	---	---	28
29	1.30	4.45	4.00	---	---	---	---	---	---	---	---	---	29
30	1.09		5.09	---	---	---	---	---	---	---	---	---	30
31	1.11		4.24		---		---	---		---		---	31
TOTAL	83.7	435	228	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.70	15.0	7.36	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.54	24.3	10.7	---	---	---	---	---	---	---	---	---	ST.D.
MAX	13.8	103	37.0	---	---	---	---	---	---	---	---	---	MAX
MIN	0.346	0.284	0.781	---	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 747
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.140	0.0690	0.269	---	---	---	---	---	---	---	---	---	1
2	0.143	0.0590	0.254	---	---	---	---	---	---	---	---	---	2
3	1.76	0.0527	0.194	---	---	---	---	---	---	---	---	---	3
4	0.666	0.0494	0.176	---	---	---	---	---	---	---	---	---	4
5	0.249	0.0393	0.148	---	---	---	---	---	---	---	---	---	5
6	0.159	0.0391*	0.212	---	---	---	---	---	---	---	---	---	6
7	0.0896	0.0447*	6.57	---	---	---	---	---	---	---	---	---	7
8	0.0687	0.0369*	2.16	---	---	---	---	---	---	---	---	---	8
9	0.0800*	0.0208*	0.662	---	---	---	---	---	---	---	---	---	9
10	0.0784	0.0185	5.48*	---	---	---	---	---	---	---	---	---	10
11	0.0539	0.0185	0.719*	---	---	---	---	---	---	---	---	---	11
12	0.0419	0.0157	0.248*	---	---	---	---	---	---	---	---	---	12
13	0.147	0.0150	0.137	---	---	---	---	---	---	---	---	---	13
14	0.440	0.0145*	0.0945	---	---	---	---	---	---	---	---	---	14
15	0.0442	2.90	0.0625	---	---	---	---	---	---	---	---	---	15
16	0.0374	11.5	0.0520	---	---	---	---	---	---	---	---	---	16
17	0.0308	9.10	0.120	---	---	---	---	---	---	---	---	---	17
18	0.0245	6.53*	0.126	---	---	---	---	---	---	---	---	---	18
19	0.0185	23.7*	0.103	---	---	---	---	---	---	---	---	---	19
20	0.0185	10.1	0.0665	---	---	---	---	---	---	---	---	---	20
21	0.0185	5.59*	0.0540	---	---	---	---	---	---	---	---	---	21
22	0.0584	2.83	0.0935	---	---	---	---	---	---	---	---	---	22
23	1.20	2.60	0.0769	---	---	---	---	---	---	---	---	---	23
24	1.89	0.974*	0.115	---	---	---	---	---	---	---	---	---	24
25	0.793	1.10	2.72*	---	---	---	---	---	---	---	---	---	25
26	0.332	0.728	4.74*	---	---	---	---	---	---	---	---	---	26
27	0.157	0.436	6.74*	---	---	---	---	---	---	---	---	---	27
28	0.114	0.706	1.01*	---	---	---	---	---	---	---	---	---	28
29	0.0971	0.456	0.401*	---	---	---	---	---	---	---	---	---	29
30	0.0786		0.543*	---	---	---	---	---	---	---	---	---	30
31	0.0800		0.433		---		---	---		---		---	31
TOTAL	9.10	79.7	34.8	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.294	2.75	1.12	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.484	5.20	1.98	---	---	---	---	---	---	---	---	---	ST.D.
MAX	1.89	23.7	6.74	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0185	0.0145	0.0520	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 124

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 217.8269 B1= 1.2540 A2= 0.0000 B2= 0.0000 R^2= 0.8347 N= 30.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.382	0.180	0.771	---	---	---	---	---	---	---	---	---	1
2	0.396	0.152	0.722	---	---	---	---	---	---	---	---	---	2
3	5.65	0.135	0.539	---	---	---	---	---	---	---	---	---	3
4	2.02	0.126	0.487	---	---	---	---	---	---	---	---	---	4
5	0.704	0.0989	0.404	---	---	---	---	---	---	---	---	---	5
6	0.436	0.0981*	0.599	---	---	---	---	---	---	---	---	---	6
7	0.238	0.113*	23.3	---	---	---	---	---	---	---	---	---	7
8	0.179	0.0925*	7.04	---	---	---	---	---	---	---	---	---	8
9	0.210*	0.0501*	2.00	---	---	---	---	---	---	---	---	---	9
10	0.206	0.0443	19.5*	---	---	---	---	---	---	---	---	---	10
11	0.138	0.0443	2.19*	---	---	---	---	---	---	---	---	---	11
12	0.106	0.0373	0.702*	---	---	---	---	---	---	---	---	---	12
13	0.403	0.0355	0.374	---	---	---	---	---	---	---	---	---	13
14	1.29	0.0343*	0.251	---	---	---	---	---	---	---	---	---	14
15	0.112	9.60	0.162	---	---	---	---	---	---	---	---	---	15
16	0.0936	41.6	0.133	---	---	---	---	---	---	---	---	---	16
17	0.0762	32.4	0.327	---	---	---	---	---	---	---	---	---	17
18	0.0597	22.8*	0.341	---	---	---	---	---	---	---	---	---	18
19	0.0443	89.6*	0.276	---	---	---	---	---	---	---	---	---	19
20	0.0443	36.3	0.173	---	---	---	---	---	---	---	---	---	20
21	0.0443	19.3*	0.138	---	---	---	---	---	---	---	---	---	21
22	0.151	9.37	0.259	---	---	---	---	---	---	---	---	---	22
23	3.74	8.53	0.202	---	---	---	---	---	---	---	---	---	23
24	6.09	3.01*	0.313	---	---	---	---	---	---	---	---	---	24
25	2.41	3.44	9.33*	---	---	---	---	---	---	---	---	---	25
26	0.958	2.21	16.3*	---	---	---	---	---	---	---	---	---	26
27	0.431	1.28	23.8*	---	---	---	---	---	---	---	---	---	27
28	0.306	2.16	3.15*	---	---	---	---	---	---	---	---	---	28
29	0.259	1.34	1.17*	---	---	---	---	---	---	---	---	---	29
30	0.206		1.62*	---	---	---	---	---	---	---	---	---	30
31	0.210		1.27		---		---	---		---			31
TOTAL	27.6	284	117	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.890	9.80	3.80	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.56	19.4	7.00	---	---	---	---	---	---	---	---	---	ST.D.
MAX	6.09	89.6	23.8	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0443	0.0343	0.133	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 428

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.8128 B1= 1.3344 A2= 0.0000 B2= 0.0000 R^2= 0.9048 N= 31.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0251	0.0125	0.0476	---	---	---	---	---	---	---	---	---	1
2	0.0255	0.0107	0.0451	---	---	---	---	---	---	---	---	---	2
3	0.302	0.0096	0.0345	---	---	---	---	---	---	---	---	---	3
4	0.116	0.0090	0.0314	---	---	---	---	---	---	---	---	---	4
5	0.0441	0.0072	0.0264	---	---	---	---	---	---	---	---	---	5
6	0.0283	0.0071*	0.0376	---	---	---	---	---	---	---	---	---	6
7	0.0161	0.0081*	1.11	---	---	---	---	---	---	---	---	---	7
8	0.0124	0.0067*	0.370	---	---	---	---	---	---	---	---	---	8
9	0.0144	0.0038*	0.116	---	---	---	---	---	---	---	---	---	9
10	0.0142	0.0034	0.921*	---	---	---	---	---	---	---	---	---	10
11	0.0098	0.0034	0.125*	---	---	---	---	---	---	---	---	---	11
12	0.0076	0.0029	0.0440*	---	---	---	---	---	---	---	---	---	12
13	0.0263	0.0028	0.0246	---	---	---	---	---	---	---	---	---	13
14	0.0773	0.0027*	0.0170	---	---	---	---	---	---	---	---	---	14
15	0.0080	0.495	0.0113	---	---	---	---	---	---	---	---	---	15
16	0.0068	1.92	0.0094	---	---	---	---	---	---	---	---	---	16
17	0.0056	1.53	0.0215	---	---	---	---	---	---	---	---	---	17
18	0.0045	1.10*	0.0226	---	---	---	---	---	---	---	---	---	18
19	0.0034	3.92*	0.0185	---	---	---	---	---	---	---	---	---	19
20	0.0034	1.70	0.0120	---	---	---	---	---	---	---	---	---	20
21	0.0034	0.946*	0.0098	---	---	---	---	---	---	---	---	---	21
22	0.0106	0.485	0.0167	---	---	---	---	---	---	---	---	---	22
23	0.207	0.444	0.0139	---	---	---	---	---	---	---	---	---	23
24	0.325	0.169*	0.0205	---	---	---	---	---	---	---	---	---	24
25	0.138	0.191	0.460*	---	---	---	---	---	---	---	---	---	25
26	0.0587	0.127	0.804*	---	---	---	---	---	---	---	---	---	26
27	0.0281	0.0767	1.13*	---	---	---	---	---	---	---	---	---	27
28	0.0204	0.123	0.175*	---	---	---	---	---	---	---	---	---	28
29	0.0175	0.0802	0.0706*	---	---	---	---	---	---	---	---	---	29
30	0.0142		0.0951*	---	---	---	---	---	---	---	---	---	30
31	0.0144		0.0761		---		---	---		---		---	31
TOTAL	1.59	13.4	5.92	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0513	0.462	0.191	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0834	0.865	0.332	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.325	3.92	1.13	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0034	0.0027	0.0094	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 20.9

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0362 B1= 1.2349 A2= 0.0000 B2= 0.0000 R^2= 0.8435 N= 31.

TOTAL DAILY DISCHARGE FOR 1992 Essex Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	12.9	2.10	0.410	---	---	---	---	---	---	1
2	---	---	---	4.38	1.63	0.324	---	---	---	---	---	---	2
3	---	---	---	2.71	0.983	0.310	---	---	---	---	---	---	3
4	---	---	---	2.39	0.760	0.349	---	---	---	---	---	---	4
5	---	---	---	1.25	0.576	0.385	---	---	---	---	---	---	5
6	---	---	---	1.12	0.360	0.281	---	---	---	---	---	---	6
7	---	---	---	1.22	0.259	0.486	---	---	---	---	---	---	7
8	---	---	---	0.947	0.338	0.403	---	---	---	---	---	---	8
9	---	---	---	0.792	0.554	0.216	---	---	---	---	---	---	9
10	---	---	---	0.745	0.338	0.173	---	---	---	---	---	---	10
11	---	---	---	0.850	0.216	0.122	---	---	---	---	---	---	11
12	---	---	---	0.641	0.270	0.0864	---	---	---	---	---	---	12
13	---	---	---	0.346	0.302	0.0864	---	---	---	---	---	---	13
14	---	---	---	0.371	0.202	0.0864	---	---	---	---	---	---	14
15	---	---	---	0.428	0.130	0.0864	---	---	---	---	---	---	15
16	---	---	---	3.78	0.0864	0.0864	---	---	---	---	---	---	16
17	---	---	---	7.03	0.115	0.241	---	---	---	---	---	---	17
18	---	---	---	12.4	0.112	8.96	---	---	---	---	---	---	18
19	---	---	---	7.28	0.0864	1.68	---	---	---	---	---	---	19
20	---	---	---	3.73	0.0864	0.713	---	---	---	---	---	---	20
21	---	---	---	24.0	0.0864	0.331	---	---	---	---	---	---	21
22	---	---	---	10.6	0.0576	0.216	---	---	---	---	---	---	22
23	---	---	---	8.15	5.03	0.230	---	---	---	---	---	---	23
24	---	---	---	38.4	6.42	0.331	---	---	---	---	---	---	24
25	---	---	---	19.9	1.45	0.220	---	---	---	---	---	---	25
26	---	---	---	10.6	0.821	0.248	---	---	---	---	---	---	26
27	---	---	---	3.86	0.472	0.263	---	---	---	---	---	---	27
28	---	---	---	2.18	0.310	0.180	---	---	---	---	---	---	28
29	---	---	---	1.64	0.216	0.104	---	---	---	---	---	---	29
30	---		---	2.97	0.522	0.0864	---	---	---	---	---	---	30
31	---		---		0.594		---	---		---		---	31
TOTAL	---	---	---	187	25.5	17.7	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	6.25	0.822	0.590	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	8.47	1.41	1.61	---	---	---	---	---	---	ST.D.
MAX	---	---	---	38.4	6.42	8.96	---	---	---	---	---	---	MAX
MIN	---	---	---	0.346	0.0576	0.0864	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 230
DRAINAGE AREA (hectares), 435.0

Watershed: Essex Test Area: 435. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.98	0.0870	0.0053	---	---	---	---	---	---	1
2	---	---	---	0.323	0.0567	0.0035*	---	---	---	---	---	---	2
3	---	---	---	0.134	0.0234	0.0032	---	---	---	---	---	---	3
4	---	---	---	0.109	0.0151	0.0040	---	---	---	---	---	---	4
5	---	---	---	0.0356	0.0094	0.0047	---	---	---	---	---	---	5
6	---	---	---	0.0294	0.0043	0.0028	---	---	---	---	---	---	6
7	---	---	---	0.0340*	0.0024	0.0079	---	---	---	---	---	---	7
8	---	---	---	0.0224	0.0038	0.0054	---	---	---	---	---	---	8
9	---	---	---	0.0162	0.0088	0.0018	---	---	---	---	---	---	9
10	---	---	---	0.0146	0.0039	0.0012	---	---	---	---	---	---	10
11	---	---	---	0.0183	0.0018	0.0007	---	---	---	---	---	---	11
12	---	---	---	0.0117	0.0026	0.0004	---	---	---	---	---	---	12
13	---	---	---	0.0039	0.0031	0.0004	---	---	---	---	---	---	13
14	---	---	---	0.0044	0.0016	0.0004	---	---	---	---	---	---	14
15	---	---	---	0.0056	0.0008	0.0004	---	---	---	---	---	---	15
16	---	---	---	0.528*	0.0004	0.0004	---	---	---	---	---	---	16
17	---	---	---	0.761	0.0006	0.0111	---	---	---	---	---	---	17
18	---	---	---	2.17*	0.0006	1.30	---	---	---	---	---	---	18
19	---	---	---	0.751	0.0004	0.0620	---	---	---	---	---	---	19
20	---	---	---	0.234*	0.0004	0.0139	---	---	---	---	---	---	20
21	---	---	---	8.22	0.0004	0.0037	---	---	---	---	---	---	21
22	---	---	---	1.51	0.0003	0.0018	---	---	---	---	---	---	22
23	---	---	---	1.40*	0.951	0.0021	---	---	---	---	---	---	23
24	---	---	---	13.9*	0.715	0.0036	---	---	---	---	---	---	24
25	---	---	---	4.12*	0.0473	0.0018	---	---	---	---	---	---	25
26	---	---	---	1.48	0.0174	0.0023	---	---	---	---	---	---	26
27	---	---	---	0.253*	0.0067	0.0024	---	---	---	---	---	---	27
28	---	---	---	0.0938	0.0033	0.0013	---	---	---	---	---	---	28
29	---	---	---	0.0566	0.0018	0.0005	---	---	---	---	---	---	29
30	---		---	0.160	0.0082	0.0004	---	---	---	---	---	---	30
31	---		---		0.0099		---	---		---		---	31
TOTAL	---	---	---	38.4	1.99	1.45	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	1.28	0.0641	0.0484	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	2.91	0.208	0.237	---	---	---	---	---	---	ST.D.
MAX	---	---	---	13.9	0.951	1.30	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0039	0.0003	0.0004	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 41.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 594.2967 B1= 1.7189 A2= 0.0000 B2= 0.0000 R^2= 0.9145 N= 16.

Watershed: Essex Test Area: 435. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	5.60	0.312	0.0234	---	---	---	---	---	---	1
2	---	---	---	1.04	0.210	0.0160*	---	---	---	---	---	---	2
3	---	---	---	0.467	0.0929	0.0149	---	---	---	---	---	---	3
4	---	---	---	0.385	0.0618	0.0181	---	---	---	---	---	---	4
5	---	---	---	0.137	0.0398	0.0210	---	---	---	---	---	---	5
6	---	---	---	0.115	0.0192	0.0129	---	---	---	---	---	---	6
7	---	---	---	0.131*	0.0111	0.0332	---	---	---	---	---	---	7
8	---	---	---	0.0889	0.0173	0.0236	---	---	---	---	---	---	8
9	---	---	---	0.0661	0.0375	0.0085	---	---	---	---	---	---	9
10	---	---	---	0.0598	0.0174	0.0059	---	---	---	---	---	---	10
11	---	---	---	0.0739	0.0085	0.0036	---	---	---	---	---	---	11
12	---	---	---	0.0484	0.0120	0.0019	---	---	---	---	---	---	12
13	---	---	---	0.0176	0.0144	0.0019	---	---	---	---	---	---	13
14	---	---	---	0.0198	0.0076	0.0019	---	---	---	---	---	---	14
15	---	---	---	0.0248	0.0039	0.0019	---	---	---	---	---	---	15
16	---	---	---	1.50*	0.0019	0.0019	---	---	---	---	---	---	16
17	---	---	---	2.29	0.0032	0.0386	---	---	---	---	---	---	17
18	---	---	---	5.97*	0.0031	3.69	---	---	---	---	---	---	18
19	---	---	---	2.28	0.0019	0.227	---	---	---	---	---	---	19
20	---	---	---	0.779*	0.0019	0.0572	---	---	---	---	---	---	20
21	---	---	---	19.9	0.0019	0.0169	---	---	---	---	---	---	21
22	---	---	---	4.32	0.0016	0.0085	---	---	---	---	---	---	22
23	---	---	---	3.80	2.58	0.0097	---	---	---	---	---	---	23
24	---	---	---	33.6*	2.13	0.0165	---	---	---	---	---	---	24
25	---	---	---	11.1*	0.177	0.0087	---	---	---	---	---	---	25
26	---	---	---	4.26	0.0705	0.0107	---	---	---	---	---	---	26
27	---	---	---	0.835*	0.0290	0.0114	---	---	---	---	---	---	27
28	---	---	---	0.334	0.0150	0.0063	---	---	---	---	---	---	28
29	---	---	---	0.210	0.0085	0.0028	---	---	---	---	---	---	29
30	---		---	0.547	0.0350	0.0019	---	---	---	---	---	---	30
31	---		---		0.0420		---	---		---		---	31
TOTAL	---	---	---	100.0	5.97	4.30	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	3.33	0.192	0.143	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	7.06	0.584	0.671	---	---	---	---	---	---	ST.D.
MAX	---	---	---	33.6	2.58	3.69	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0176	0.0016	0.0019	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 110

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.3214 B1= 1.5896 A2= 0.0000 B2= 0.0000 R^2= 0.9724 N= 13.

Watershed: Essex Test Area: 435. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.237	0.0173	0.0017	---	---	---	---	---	---	1
2	---	---	---	0.0511	0.0121	0.0012*	---	---	---	---	---	---	2
3	---	---	---	0.0249	0.0058	0.0011	---	---	---	---	---	---	3
4	---	---	---	0.0209	0.0040	0.0013	---	---	---	---	---	---	4
5	---	---	---	0.0082	0.0027	0.0015	---	---	---	---	---	---	5
6	---	---	---	0.0070	0.0014	0.0010	---	---	---	---	---	---	6
7	---	---	---	0.0079*	0.0008	0.0022	---	---	---	---	---	---	7
8	---	---	---	0.0055	0.0013	0.0016	---	---	---	---	---	---	8
9	---	---	---	0.0042	0.0025	0.0007	---	---	---	---	---	---	9
10	---	---	---	0.0039	0.0013	0.0005	---	---	---	---	---	---	10
11	---	---	---	0.0047	0.0007	0.0003	---	---	---	---	---	---	11
12	---	---	---	0.0032	0.0009	0.0002	---	---	---	---	---	---	12
13	---	---	---	0.0013	0.0011	0.0002	---	---	---	---	---	---	13
14	---	---	---	0.0014	0.0006	0.0002	---	---	---	---	---	---	14
15	---	---	---	0.0017	0.0003	0.0002	---	---	---	---	---	---	15
16	---	---	---	0.0638*	0.0002	0.0002	---	---	---	---	---	---	16
17	---	---	---	0.103	0.0003	0.0021	---	---	---	---	---	---	17
18	---	---	---	0.244*	0.0003	0.157	---	---	---	---	---	---	18
19	---	---	---	0.105	0.0002	0.0128	---	---	---	---	---	---	19
20	---	---	---	0.0396*	0.0002	0.0037	---	---	---	---	---	---	20
21	---	---	---	0.708	0.0002	0.0012	---	---	---	---	---	---	21
22	---	---	---	0.185	0.0001	0.0007	---	---	---	---	---	---	22
23	---	---	---	0.154*	0.104	0.0007	---	---	---	---	---	---	23
24	---	---	---	1.18*	0.0954	0.0012	---	---	---	---	---	---	24
25	---	---	---	0.440*	0.0103	0.0007	---	---	---	---	---	---	25
26	---	---	---	0.183	0.0045	0.0008	---	---	---	---	---	---	26
27	---	---	---	0.0421*	0.0020	0.0009	---	---	---	---	---	---	27
28	---	---	---	0.0184	0.0011	0.0005	---	---	---	---	---	---	28
29	---	---	---	0.0121	0.0007	0.0002	---	---	---	---	---	---	29
30	---		---	0.0287	0.0024	0.0002	---	---	---	---	---	---	30
31	---		---		0.0028		---	---		---		---	31
TOTAL	---	---	---	3.89	0.277	0.196	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.130	0.0089	0.0065	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	0.251	0.0246	0.0284	---	---	---	---	---	---	ST.D.
MAX	---	---	---	1.18	0.104	0.157	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0013	0.0001	0.0002	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 4.37

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0422 B1= 1.4407 A2= 0.0000 B2= 0.0000 R^2= 0.8720 N= 17.

ESSEX CONTROL WATER QUALITY LOADS

TOTAL DAILY DISCHARGE FOR 1989 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	3.86	0.0346	2.58	---	---	---	---	---	---	---	---	1
2	---	1.26	0.0072	2.12	---	---	---	---	---	---	---	---	2
3	---	0.536	0	25.1	---	---	---	---	---	---	---	---	3
4	---	0.259	0.0576	16.8	---	---	---	---	---	---	---	---	4
5	---	0.173	0.173	8.49	---	---	---	---	---	---	---	---	5
6	---	0.156	0.0778	5.57	---	---	---	---	---	---	---	---	6
7	---	0.138	0.0259	3.91	---	---	---	---	---	---	---	---	7
8	---	0.121	0.0288	2.69	---	---	---	---	---	---	---	---	8
9	---	0.121	0.0648	1.54	---	---	---	---	---	---	---	---	9
10	1.38	0.104	0.0864	0.781	---	---	---	---	---	---	---	---	10
11	0.432	0.104	0.245	0.648	---	---	---	---	---	---	---	---	11
12	1.12	0.0864	0.281	0.814	---	---	---	---	---	---	---	---	12
13	0.594	0.173	0.0900	1.22	---	---	---	---	---	---	---	---	13
14	0.227	0.259	0.151	1.29	---	---	---	---	---	---	---	---	14
15	0.540	0.173	0.216	3.62	---	---	---	---	---	---	---	---	15
16	0.216	0.156	0.0864	2.65	---	---	---	---	---	---	---	---	16
17	0.187	0.138	0.0864	8.42	---	---	---	---	---	---	---	---	17
18	0.234	0.121	3.12	10.6	---	---	---	---	---	---	---	---	18
19	0.353	0.104	2.65	5.06	---	---	---	---	---	---	---	---	19
20	0.346	0.112	1.38	3.17	---	---	---	---	---	---	---	---	20
21	0.0864	0.173	1.42	2.66	---	---	---	---	---	---	---	---	21
22	0.0864	0.0864	1.99	1.88	---	---	---	---	---	---	---	---	22
23	0.137	0.0691	1.88	1.33	---	---	---	---	---	---	---	---	23
24	0.173	0.0396	1.97	1.01	---	---	---	---	---	---	---	---	24
25	0.130	0	1.66	1.24	---	---	---	---	---	---	---	---	25
26	4.41	0.0324	0.968	1.19	---	---	---	---	---	---	---	---	26
27	2.86	0.0864	1.67	0.850	---	---	---	---	---	---	---	---	27
28	2.17	0.0864	8.58	0.601	---	---	---	---	---	---	---	---	28
29	6.49		12.6	0.497	---	---	---	---	---	---	---	---	29
30	10.2		5.95	0.342	---	---	---	---	---	---	---	---	30
31	6.14		4.22		---		---	---		---		---	31
TOTAL	38.5#	8.72	51.7	118	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.75	0.311	1.67	3.96	---	---	---	---	---	---	---	---	MEAN
ST.D.	2.70	0.732	2.81	5.39	---	---	---	---	---	---	---	---	ST.D.
MAX	10.2	3.86	12.6	25.1	---	---	---	---	---	---	---	---	MAX
MIN	0.0864	0	0	0.342	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 217
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control Area: 281. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.225	0.0001	0.113	---	---	---	---	---	---	---	---	1
2	---	0.0358	0.0000	0.0826	---	---	---	---	---	---	---	---	2
3	---	0.0085	0	5.69*	---	---	---	---	---	---	---	---	3
4	---	0.0025	0.0003	2.70*	---	---	---	---	---	---	---	---	4
5	---	0.0013	0.0013	0.820*	---	---	---	---	---	---	---	---	5
6	---	0.0011	0.0003	0.405	---	---	---	---	---	---	---	---	6
7	---	0.0009	0.0001	0.224	---	---	---	---	---	---	---	---	7
8	---	0.0007	0.0001	0.121	---	---	---	---	---	---	---	---	8
9	---	0.0007	0.0003	0.0490	---	---	---	---	---	---	---	---	9
10	0.0399*	0.0005	0.0004	0.0156	---	---	---	---	---	---	---	---	10
11	0.0058	0.0005	0.0029*	0.0114	---	---	---	---	---	---	---	---	11
12	0.0283	0.0004	0.0038*	0.0172	---	---	---	---	---	---	---	---	12
13	0.0118	0.0013	0.0004	0.0324	---	---	---	---	---	---	---	---	13
14	0.0021	0.0025	0.0012	0.0358	---	---	---	---	---	---	---	---	14
15	0.0087	0.0013	0.0020	0.201	---	---	---	---	---	---	---	---	15
16	0.0019	0.0011	0.0004	0.119	---	---	---	---	---	---	---	---	16
17	0.0015	0.0009	0.0004	1.37*	---	---	---	---	---	---	---	---	17
18	0.0022	0.0007	0.173	1.25*	---	---	---	---	---	---	---	---	18
19	0.0043	0.0006	0.134	0.347*	---	---	---	---	---	---	---	---	19
20	0.0040	0.0007	0.0400	0.159	---	---	---	---	---	---	---	---	20
21	0.0004	0.0013	0.0472	0.118	---	---	---	---	---	---	---	---	21
22	0.0004	0.0004	0.0732	0.0674	---	---	---	---	---	---	---	---	22
23	0.0009	0.0003*	0.0679	0.0376	---	---	---	---	---	---	---	---	23
24	0.0013	0.0002	0.0721	0.0241*	---	---	---	---	---	---	---	---	24
25	0.0008	0	0.0540	0.0343	---	---	---	---	---	---	---	---	25
26	0.311	0.0002	0.0223	0.0318	---	---	---	---	---	---	---	---	26
27	0.138	0.0004	0.0759	0.0180	---	---	---	---	---	---	---	---	27
28	0.0863	0.0004	0.860*	0.0101	---	---	---	---	---	---	---	---	28
29	0.558		1.75*	0.0074	---	---	---	---	---	---	---	---	29
30	1.10		0.449*	0.0040	---	---	---	---	---	---	---	---	30
31	0.473		0.256		---		---	---		---		---	31
TOTAL	2.78#	0.290	4.09	14.1	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.126	0.0104	0.132	0.470	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.268	0.0426	0.347	1.14	---	---	---	---	---	---	---	---	ST.D.
MAX	1.10	0.225	1.75	5.69	---	---	---	---	---	---	---	---	MAX
MIN	0.0004	0	0	0.0040	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 21.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 437.2910 B1= 1.6573 A2= 0.0000 B2= 0.0000 R^2= 0.8909 N= 38.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.969	0.0010	0.531	---	---	---	---	---	---	---	---	1
2	---	0.192	0.0003	0.403	---	---	---	---	---	---	---	---	2
3	---	0.0546	0	16.1*	---	---	---	---	---	---	---	---	3
4	---	0.0186	0.0029	8.50*	---	---	---	---	---	---	---	---	4
5	---	0.0103	0.0107	3.03*	---	---	---	---	---	---	---	---	5
6	---	0.0089	0.0032	1.63	---	---	---	---	---	---	---	---	6
7	---	0.0075	0.0007	0.973	---	---	---	---	---	---	---	---	7
8	---	0.0061	0.0013	0.565	---	---	---	---	---	---	---	---	8
9	---	0.0061	0.0028	0.254	---	---	---	---	---	---	---	---	9
10	0.214*	0.0049	0.0038	0.0936	---	---	---	---	---	---	---	---	10
11	0.0392	0.0049	0.0200*	0.0710	---	---	---	---	---	---	---	---	11
12	0.158	0.0038	0.0251*	0.101	---	---	---	---	---	---	---	---	12
13	0.0698	0.0103	0.0040	0.178	---	---	---	---	---	---	---	---	13
14	0.0159	0.0186	0.0095	0.194	---	---	---	---	---	---	---	---	14
15	0.0557	0.0103	0.0152	0.881	---	---	---	---	---	---	---	---	15
16	0.0145	0.0089	0.0038	0.556	---	---	---	---	---	---	---	---	16
17	0.0117	0.0075	0.0038	4.22*	---	---	---	---	---	---	---	---	17
18	0.0164	0.0061	0.756	4.32*	---	---	---	---	---	---	---	---	18
19	0.0297	0.0051	0.599	1.42*	---	---	---	---	---	---	---	---	19
20	0.0284	0.0057	0.214	0.719	---	---	---	---	---	---	---	---	20
21	0.0038	0.0103	0.240	0.554	---	---	---	---	---	---	---	---	21
22	0.0038	0.0038	0.364	0.338	---	---	---	---	---	---	---	---	22
23	0.0076	0.0027*	0.339	0.202	---	---	---	---	---	---	---	---	23
24	0.0105	0.0017	0.359	0.137*	---	---	---	---	---	---	---	---	24
25	0.0070	0	0.279	0.186	---	---	---	---	---	---	---	---	25
26	1.26	0.0014	0.128	0.174	---	---	---	---	---	---	---	---	26
27	0.630	0.0038	0.343	0.106	---	---	---	---	---	---	---	---	27
28	0.418	0.0038	3.14*	0.0637	---	---	---	---	---	---	---	---	28
29	2.13		5.74*	0.0484	---	---	---	---	---	---	---	---	29
30	3.92		1.79*	0.0284	---	---	---	---	---	---	---	---	30
31	1.88		1.09		---		---	---		---		---	31
TOTAL	10.9#	1.39	15.5	46.6	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.496	0.0495	0.500	1.55	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.982	0.184	1.17	3.29	---	---	---	---	---	---	---	---	ST.D.
MAX	3.92	0.969	5.74	16.1	---	---	---	---	---	---	---	---	MAX
MIN	0.0038	0	0	0.0284	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 74.4

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.0214 B1= 1.4567 A2= 0.0000 B2= 0.0000 R^2= 0.8962 N= 38.

Watershed: Essex Control Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.0592	0.0002	0.0353	---	---	---	---	---	---	---	---	1
2	---	0.0144	0.0000	0.0277	---	---	---	---	---	---	---	---	2
3	---	0.0049	0	0.659*	---	---	---	---	---	---	---	---	3
4	---	0.0019	0.0003	0.386*	---	---	---	---	---	---	---	---	4
5	---	0.0012	0.0012	0.160*	---	---	---	---	---	---	---	---	5
6	---	0.0010	0.0004	0.0936	---	---	---	---	---	---	---	---	6
7	---	0.0009	0.0001	0.0597	---	---	---	---	---	---	---	---	7
8	---	0.0007	0.0002	0.0373	---	---	---	---	---	---	---	---	8
9	---	0.0007	0.0004	0.0186	---	---	---	---	---	---	---	---	9
10	0.0160*	0.0006	0.0005	0.0078	---	---	---	---	---	---	---	---	10
11	0.0037	0.0006	0.0019*	0.0062	---	---	---	---	---	---	---	---	11
12	0.0123	0.0005	0.0023*	0.0083	---	---	---	---	---	---	---	---	12
13	0.0058	0.0012	0.0005	0.0137	---	---	---	---	---	---	---	---	13
14	0.0017	0.0019	0.0010	0.0147	---	---	---	---	---	---	---	---	14
15	0.0050	0.0012	0.0016	0.0546	---	---	---	---	---	---	---	---	15
16	0.0015	0.0010	0.0005	0.0367	---	---	---	---	---	---	---	---	16
17	0.0013	0.0009	0.0005	0.190*	---	---	---	---	---	---	---	---	17
18	0.0017	0.0007	0.0469	0.215*	---	---	---	---	---	---	---	---	18
19	0.0029	0.0006	0.0381	0.0830*	---	---	---	---	---	---	---	---	19
20	0.0028	0.0007	0.0160	0.0459	---	---	---	---	---	---	---	---	20
21	0.0005	0.0012	0.0173	0.0367	---	---	---	---	---	---	---	---	21
22	0.0005	0.0005	0.0255	0.0238	---	---	---	---	---	---	---	---	22
23	0.0009	0.0004*	0.0239	0.0153	---	---	---	---	---	---	---	---	23
24	0.0012	0.0002	0.0251	0.0109*	---	---	---	---	---	---	---	---	24
25	0.0008	0	0.0202	0.0141	---	---	---	---	---	---	---	---	25
26	0.0730	0.0002	0.0103	0.0134	---	---	---	---	---	---	---	---	26
27	0.0407	0.0005	0.0225	0.0087	---	---	---	---	---	---	---	---	27
28	0.0286	0.0005	0.163*	0.0056	---	---	---	---	---	---	---	---	28
29	0.116		0.271*	0.0044	---	---	---	---	---	---	---	---	29
30	0.200		0.102*	0.0028	---	---	---	---	---	---	---	---	30
31	0.106		0.0659		---		---	---		---			31
TOTAL	0.623#	0.0982	0.860	2.29	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0283	0.0035	0.0277	0.0763	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0513	0.0112	0.0572	0.138	---	---	---	---	---	---	---	---	ST.D.
MAX	0.200	0.0592	0.271	0.659	---	---	---	---	---	---	---	---	MAX
MIN	0.0005	0	0	0.0028	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 3.87

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0346 B1= 1.2641 A2= 0.0000 B2= 0.0000 R^2= 0.7931 N= 38.

TOTAL DAILY DISCHARGE FOR 1989 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.259	20.6	0.180	0	0.0468	0	---	---	1
2	---	---	---	---	0.313	21.1	0.144	0	0.0036	0	---	---	2
3	---	---	---	---	0.270	23.4	0.169	0	0	0	---	---	3
4	---	---	---	---	0.187	12.3	0.115	0.0288	0	0	---	---	4
5	---	---	---	---	0.270	4.38	0.0864	0.0648	0	0	---	---	5
6	---	---	---	---	0.238	2.05	0.0828	0	0	0	---	---	6
7	---	---	---	---	0.173	0.896	0.0360	0	0.0396	0	---	---	7
8	---	---	---	---	0.133	0.526	0.0360	0	0.0792	0	---	---	8
9	---	---	---	---	0.0972	0.450	0	0	0.0792	0	---	---	9
10	---	---	---	---	0.0864	0.292	0	0	0.0864	0.0252	---	---	10
11	---	---	---	---	0.0864	0.173	0	0	0.0864	0	---	---	11
12	---	---	---	---	0.112	0.238	0	0	0.0144	0	---	---	12
13	---	---	---	---	0.173	0.266	0	0	0	0	---	---	13
14	---	---	---	---	0.0900	0.173	0	0	0.0432	0	---	---	14
15	---	---	---	---	0.0864	0.112	0	0	0.0864	0	---	---	15
16	---	---	---	---	0.0864	3.01	0	0	0.122	0	---	---	16
17	---	---	---	---	0.0864	1.39	0	0	0.677	0	---	---	17
18	---	---	---	---	0.0864	3.05	0	0	0.162	0	---	---	18
19	---	---	---	---	0.0864	40.7	0.266	0	0.0864	0.144	---	---	19
20	---	---	---	---	0.220	18.0	56.7	0	0.0864	0.655	---	---	20
21	---	---	---	---	0.133	2.62	6.94	0	0.0216	0.601	---	---	21
22	---	---	---	---	0.0864	1.70	1.16	0	0.0468	0.313	---	---	22
23	---	---	---	---	0.0864	1.10	0.432	0	0.0324	0.173	---	---	23
24	---	---	---	---	0.0864	0.688	0.184	0	0	0.158	---	---	24
25	---	---	---	---	2.03	0.497	0.0864	0	0	0.0864	---	---	25
26	---	---	---	---	13.8	1.08	0.0864	0	0	0.0864	---	---	26
27	---	---	---	---	3.12	7.97	0.0864	0	0	0.0864	---	---	27
28	---	---	---	---	1.20	2.00	0.0972	0	0	0.0864	---	---	28
29	---		---	---	0.734	0.400	0.0540	0	0	0.0864	---	---	29
30	---		---	---	4.17	0.223	0	0	0	0.0864	---	---	30
31	---		---		49.6		0	0		0.0864		---	31
TOTAL	---	---	---	---	78.2	171	66.9	0.0936	1.80	2.67	---	---	TOTAL
MEAN	---	---	---	---	2.52	5.71	2.16	0.0030	0.0600	0.0863	---	---	MEAN
ST.D.	---	---	---	---	9.11	9.64	10.2	0.0126	0.125	0.162	---	---	ST.D.
MAX	---	---	---	---	49.6	40.7	56.7	0.0648	0.677	0.655	---	---	MAX
MIN	---	---	---	---	0.0864	0.112	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 321
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control Area: 281. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0059	7.29*	0.0033	0	0.0005	0	---	---	1
2	---	---	---	---	0.0080	7.90*	0.0024	0	0.0000	0	---	---	2
3	---	---	---	---	0.0063	11.9*	0.0030	0	0	0	---	---	3
4	---	---	---	---	0.0035	3.14*	0.0017	0.0003	0	0	---	---	4
5	---	---	---	---	0.0063	0.556*	0.0010	0.0008	0	0	---	---	5
6	---	---	---	---	0.0052	0.170	0.0010	0	0	0	---	---	6
7	---	---	---	---	0.0031	0.0447	0.0004	0	0.0005	0	---	---	7
8	---	---	---	---	0.0021	0.0185	0.0004	0	0.0010	0	---	---	8
9	---	---	---	---	0.0013	0.0143	0	0	0.0009	0	---	---	9
10	---	---	---	---	0.0010	0.0073	0	0	0.0010	0.0003	---	---	10
11	---	---	---	---	0.0010*	0.0031	0	0	0.0010	0	---	---	11
12	---	---	---	---	0.0016	0.0053	0	0	0.0002	0	---	---	12
13	---	---	---	---	0.0031	0.0062	0	0	0	0	---	---	13
14	---	---	---	---	0.0011	0.0031	0	0	0.0005	0	---	---	14
15	---	---	---	---	0.0010	0.0018	0	0	0.0010	0	---	---	15
16	---	---	---	---	0.0010	0.339	0	0	0.0020	0	---	---	16
17	---	---	---	---	0.0010	0.124	0	0	0.0290	0	---	---	17
18	---	---	---	---	0.0010	0.368	0	0	0.0030	0.0000*	---	---	18
19	---	---	---	---	0.0010	42.2*	0.0264	0	0.0010	0.0033	---	---	19
20	---	---	---	---	0.0047	6.92*	42.4*	0	0.0010	0.0262*	---	---	20
21	---	---	---	---	0.0021	0.246*	1.31*	0	0.0003	0.0227	---	---	21
22	---	---	---	---	0.0010	0.122*	0.0674*	0	0.0005	0.0084	---	---	22
23	---	---	---	---	0.0010	0.0617	0.0142*	0	0.0004	0.0031	---	---	23
24	---	---	---	---	0.0010*	0.0284	0.0036*	0	0	0.0027	---	---	24
25	---	---	---	---	0.327*	0.0169	0.0010	0	0	0.0010	---	---	25
26	---	---	---	---	3.89*	0.131	0.0010	0	0	0.0010	---	---	26
27	---	---	---	---	0.332*	1.52	0.0010	0	0	0.0010	---	---	27
28	---	---	---	---	0.0720*	0.181	0.0013	0	0	0.0010	---	---	28
29	---	---	---	---	0.0316	0.0123	0.0006	0	0	0.0010	---	---	29
30	---		---	---	1.55*	0.0047	0	0	0	0.0010	---	---	30
31	---		---		30.0*		0	0		0.0010		---	31
TOTAL	---	---	---	---	36.3	83.4	43.8	0.0011	0.0437	0.0736	---	---	TOTAL
MEAN	---	---	---	---	1.17	2.78	1.41	0.0000	0.0015	0.0024	---	---	MEAN
ST.D.	---	---	---	---	5.40	8.03	7.61	0.0001	0.0052	0.0061	---	---	ST.D.
MAX	---	---	---	---	30.0	42.2	42.4	0.0008	0.0290	0.0262	---	---	MAX
MIN	---	---	---	---	0.0010	0.0018	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 163

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 770.6979 B1= 1.6073 A2= 0.0000 B2= 0.0000 R^2= 0.8974 N= 60.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0173	14.2*	0.0100	0	0.0018	0	---	---	1
2	---	---	---	---	0.0233	15.3*	0.0073	0	0.0001	0	---	---	2
3	---	---	---	---	0.0185	21.9*	0.0091	0	0	0	---	---	3
4	---	---	---	---	0.0107	6.43*	0.0053	0.0011	0	0	---	---	4
5	---	---	---	---	0.0186	1.27*	0.0033	0.0025	0	0	---	---	5
6	---	---	---	---	0.0153	0.413	0.0031	0	0	0	---	---	6
7	---	---	---	---	0.0094	0.117	0.0014	0	0.0015	0	---	---	7
8	---	---	---	---	0.0066	0.0511	0.0014	0	0.0032	0	---	---	8
9	---	---	---	---	0.0040	0.0401	0	0	0.0030	0	---	---	9
10	---	---	---	---	0.0033	0.0212	0	0	0.0033	0.0010	---	---	10
11	---	---	---	---	0.0033*	0.0094	0	0	0.0033	0	---	---	11
12	---	---	---	---	0.0051	0.0158	0	0	0.0005	0	---	---	12
13	---	---	---	---	0.0094	0.0183	0	0	0	0	---	---	13
14	---	---	---	---	0.0035	0.0094	0	0	0.0016	0	---	---	14
15	---	---	---	---	0.0033	0.0055	0	0	0.0033	0	---	---	15
16	---	---	---	---	0.0033	0.784	0	0	0.0060	0	---	---	16
17	---	---	---	---	0.0033	0.291	0	0	0.0777	0	---	---	17
18	---	---	---	---	0.0033	0.842	0	0	0.0090	0.0000*	---	---	18
19	---	---	---	---	0.0033	70.2*	0.0621	0	0.0033	0.0096	---	---	19
20	---	---	---	---	0.0139	13.3*	73.8*	0	0.0033	0.0710*	---	---	20
21	---	---	---	---	0.0066	0.587*	2.81*	0	0.0008	0.0621	---	---	21
22	---	---	---	---	0.0033	0.304*	0.173*	0	0.0018	0.0242	---	---	22
23	---	---	---	---	0.0033	0.159	0.0396*	0	0.0012	0.0094	---	---	23
24	---	---	---	---	0.0033*	0.0767	0.0108*	0	0	0.0084	---	---	24
25	---	---	---	---	0.706*	0.0470	0.0033	0	0	0.0033	---	---	25
26	---	---	---	---	7.85*	0.293	0.0033	0	0	0.0033	---	---	26
27	---	---	---	---	0.777*	3.27	0.0033	0	0	0.0033	---	---	27
28	---	---	---	---	0.183*	0.432	0.0040	0	0	0.0033	---	---	28
29	---		---	---	0.0849	0.0347	0.0020	0	0	0.0033	---	---	29
30	---		---	---	2.96*	0.0140	0	0	0	0.0033	---	---	30
31	---		---		54.1*		0	0		0.0033		---	31
TOTAL	---	---	---	---	66.9	150	76.9	0.0035	0.125	0.209	---	---	TOTAL
MEAN	---	---	---	---	2.16	5.01	2.48	0.0001	0.0042	0.0067	---	---	MEAN
ST.D.	---	---	---	---	9.76	13.6	13.2	0.0005	0.0140	0.0167	---	---	ST.D.
MAX	---	---	---	---	54.1	70.2	73.8	0.0025	0.0777	0.0710	---	---	MAX
MIN	---	---	---	---	0.0033	0.0055	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 294

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.3456 B1= 1.5167 A2= 0.0000 B2= 0.0000 R^2= 0.9448 N= 58.

Watershed: Essex Control Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0013	0.321*	0.0008	0	0.0002	0	---	---	1
2	---	---	---	---	0.0016	0.336*	0.0006	0	0.0000	0	---	---	2
3	---	---	---	---	0.0013	0.421*	0.0007	0	0	0	---	---	3
4	---	---	---	---	0.0009	0.167*	0.0005	0.0001	0	0	---	---	4
5	---	---	---	---	0.0013	0.0446*	0.0003	0.0002	0	0	---	---	5
6	---	---	---	---	0.0011	0.0174	0.0003	0	0	0	---	---	6
7	---	---	---	---	0.0008	0.0061	0.0001	0	0.0001	0	---	---	7
8	---	---	---	---	0.0006	0.0031	0.0001	0	0.0003	0	---	---	8
9	---	---	---	---	0.0004	0.0026	0	0	0.0003	0	---	---	9
10	---	---	---	---	0.0003	0.0015	0	0	0.0003	0.0001	---	---	10
11	---	---	---	---	0.0003*	0.0008	0	0	0.0003	0	---	---	11
12	---	---	---	---	0.0005	0.0012	0	0	0.0001	0	---	---	12
13	---	---	---	---	0.0008	0.0013	0	0	0	0	---	---	13
14	---	---	---	---	0.0003	0.0008	0	0	0.0002	0	---	---	14
15	---	---	---	---	0.0003	0.0005	0	0	0.0003	0	---	---	15
16	---	---	---	---	0.0003	0.0289	0	0	0.0005	0	---	---	16
17	---	---	---	---	0.0003	0.0117	0	0	0.0043	0	---	---	17
18	---	---	---	---	0.0003	0.0301	0	0	0.0007	0 *	---	---	18
19	---	---	---	---	0.0003	0.998*	0.0024	0	0.0003	0.0007	---	---	19
20	---	---	---	---	0.0011	0.287*	1.20*	0	0.0003	0.0041*	---	---	20
21	---	---	---	---	0.0006	0.0235*	0.0830*	0	0.0001	0.0037	---	---	21
22	---	---	---	---	0.0003	0.0136*	0.0085*	0	0.0002	0.0017	---	---	22
23	---	---	---	---	0.0003	0.0079	0.0025*	0	0.0001	0.0008	---	---	23
24	---	---	---	---	0.0003*	0.0044	0.0008*	0	0	0.0007	---	---	24
25	---	---	---	---	0.0218*	0.0029	0.0003	0	0	0.0003	---	---	25
26	---	---	---	---	0.195*	0.0102	0.0003	0	0	0.0003	---	---	26
27	---	---	---	---	0.0295*	0.0962	0.0003	0	0	0.0003	---	---	27
28	---	---	---	---	0.0089*	0.0175	0.0004	0	0	0.0003	---	---	28
29	---		---	---	0.0047	0.0022	0.0002	0	0	0.0003	---	---	29
30	---		---	---	0.0641*	0.0011	0	0	0	0.0003	---	---	30
31	---		---		0.972*		0	0		0.0003		---	31
TOTAL	---	---	---	---	1.31	2.86	1.31	0.0003	0.0087	0.0139	---	---	TOTAL
MEAN	---	---	---	---	0.0423	0.0953	0.0421	0.0000	0.0003	0.0004	---	---	MEAN
ST.D.	---	---	---	---	0.176	0.207	0.216	0.0000	0.0008	0.0010	---	---	ST.D.
MAX	---	---	---	---	0.972	0.998	1.20	0.0002	0.0043	0.0041	---	---	MAX
MIN	---	---	---	---	0.0003	0.0005	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 5.50

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0218 B1= 1.2565 A2= 0.0000 B2= 0.0000 R^2= 0.7968 N= 60.

TOTAL DAILY DISCHARGE FOR 1989 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0864	0.151	1
2	---	---	---	---	---	---	---	---	---	---	0.0864	0.144	2
3	---	---	---	---	---	---	---	---	---	---	0.0360	0.0900	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0864	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0864	5
6	---	---	---	---	---	---	---	---	---	---	0.0324	0.0864	6
7	---	---	---	---	---	---	---	---	---	---	0.0756	0.0605	7
8	---	---	---	---	---	---	---	---	---	---	0.0864	0.0108	8
9	---	---	---	---	---	---	---	---	---	---	0.0864	0.0518	9
10	---	---	---	---	---	---	---	---	---	---	0.140	0.0468	10
11	---	---	---	---	---	---	---	---	---	---	0.166	0.0864	11
12	---	---	---	---	---	---	---	---	---	---	0.0864	0.0778	12
13	---	---	---	---	---	---	---	---	---	---	0.0864	0.0432	13
14	---	---	---	---	---	---	---	---	---	---	0.0864	0.0346	14
15	---	---	---	---	---	---	---	---	---	---	1.11	0.0259	15
16	---	---	---	---	---	---	---	---	---	---	4.16	0.0173	16
17	---	---	---	---	---	---	---	---	---	---	1.06	0.0086	17
18	---	---	---	---	---	---	---	---	---	---	0.655	0	18
19	---	---	---	---	---	---	---	---	---	---	0.371	0	19
20	---	---	---	---	---	---	---	---	---	---	0.338	0	20
21	---	---	---	---	---	---	---	---	---	---	0.205	0	21
22	---	---	---	---	---	---	---	---	---	---	0.104	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0864	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0864	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0864	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0864	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0972	0	27
28	---	---	---	---	---	---	---	---	---	---	0.119	0	28
29	---		---	---	---	---	---	---	---	---	0.0864	0	29
30	---		---	---	---	---	---	---	---	---	0.169	0	30
31	---		---		---		---	---		---		0.173	31
TOTAL	---	---	---	---	---	---	---	---	---	---	9.88	1.28	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.329	0.0413	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.774	0.0508	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	4.16	0.173	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 11.2
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control Area: 281. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	--	---	---	---	---	---	---	0.0048	0.0109	1
2	---	---	---	---	---	---	---	---	---	---	0.0048	0.0102	2
3	---	---	---	---	---	---	---	---	---	---	0.0020	0.0052	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0048	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0048	5
6	---	---	---	---	---	---	---	---	---	---	0.0018	0.0048	6
7	---	---	---	---	---	---	---	---	---	---	0.0042	0.0029	7
8	---	---	---	---	---	---	---	---	---	---	0.0048	0.0006	8
9	---	---	---	---	---	---	---	---	---	---	0.0048*	0.0023	9
10	---	---	---	---	---	---	---	---	---	---	0.0099	0.0026	10
11	---	---	---	---	---	---	---	---	---	---	0.0122	0.0048	11
12	---	---	---	---	---	---	---	---	---	---	0.0048	0.0041*	12
13	---	---	---	---	---	---	---	---	---	---	0.0048	0.0018*	13
14	---	---	---	---	---	---	---	---	---	---	0.0048*	0.0013	14
15	---	---	---	---	---	---	---	---	---	---	0.272*	0.0009	15
16	---	---	---	---	---	---	---	---	---	---	1.20*	0.0005	16
17	---	---	---	---	---	---	---	---	---	---	0.171*	0.0002	17
18	---	---	---	---	---	---	---	---	---	---	0.0863	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0382	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0335	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0167	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0065	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0048	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0048	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0048	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0048	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0058	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0079	0	28
29	---		---	---	---	---	---	---	---	---	0.0048	0	29
30	---		---	---	---	---	---	---	---	---	0.0126*	0	30
31	---		---		---		---	---		---		0.0129	31
TOTAL	---	---	---	---	---	---	---	---	---	---	1.94	0.0758	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0646	0.0024	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.222	0.0035	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.20	0.0129	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 2.02

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 998.9207 B1= 1.4173 A2= 0.0000 B2= 0.0000 R^2= 0.7263 N= 12.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0175	0.0346	1
2	---	---	---	---	---	---	---	---	---	---	0.0175	0.0327	2
3	---	---	---	---	---	---	---	---	---	---	0.0073	0.0185	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0175	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0175	5
6	---	---	---	---	---	---	---	---	---	---	0.0066	0.0175	6
7	---	---	---	---	---	---	---	---	---	---	0.0153	0.0114	7
8	---	---	---	---	---	---	---	---	---	---	0.0175	0.0022	8
9	---	---	---	---	---	---	---	---	---	---	0.0175*	0.0095	9
10	---	---	---	---	---	---	---	---	---	---	0.0317	0.0095	10
11	---	---	---	---	---	---	---	---	---	---	0.0384	0.0175	11
12	---	---	---	---	---	---	---	---	---	---	0.0175	0.0151*	12
13	---	---	---	---	---	---	---	---	---	---	0.0175	0.0076*	13
14	---	---	---	---	---	---	---	---	---	---	0.0175*	0.0058	14
15	---	---	---	---	---	---	---	---	---	---	0.450*	0.0041	15
16	---	---	---	---	---	---	---	---	---	---	1.85*	0.0025	16
17	---	---	---	---	---	---	---	---	---	---	0.356*	0.0011	17
18	---	---	---	---	---	---	---	---	---	---	0.200	0	18
19	---	---	---	---	---	---	---	---	---	---	0.101	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0902	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0497	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0223	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0175	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0175	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0175	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0175	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0204	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0261	0	28
29	---		---	---	---	---	---	---	---	---	0.0175	0	29
30	---		---	---	---	---	---	---	---	---	0.0393*	0	30
31	---		---		---		---	---		---		0.0403	31
TOTAL	---	---	---	---	---	---	---	---	---	---	3.51	0.265	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.117	0.0086	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.342	0.0113	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.85	0.0403	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 3.78

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.8042 B1= 1.1993 A2= 0.0000 B2= 0.0000 R^2= 0.8986 N= 12.

Watershed: Essex Control Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0015	0.0024	1
2	---	---	---	---	---	---	---	---	---	---	0.0015	0.0023	2
3	---	---	---	---	---	---	---	---	---	---	0.0006	0.0015	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0015	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0015	5
6	---	---	---	---	---	---	---	---	---	---	0.0005	0.0015	6
7	---	---	---	---	---	---	---	---	---	---	0.0013	0.0011	7
8	---	---	---	---	---	---	---	---	---	---	0.0015	0.0002	8
9	---	---	---	---	---	---	---	---	---	---	0.0015*	0.0009	9
10	---	---	---	---	---	---	---	---	---	---	0.0022	0.0008	10
11	---	---	---	---	---	---	---	---	---	---	0.0026	0.0015	11
12	---	---	---	---	---	---	---	---	---	---	0.0015	0.0013*	12
13	---	---	---	---	---	---	---	---	---	---	0.0015	0.0008*	13
14	---	---	---	---	---	---	---	---	---	---	0.0015*	0.0007	14
15	---	---	---	---	---	---	---	---	---	---	0.0123*	0.0005	15
16	---	---	---	---	---	---	---	---	---	---	0.0425*	0.0004	16
17	---	---	---	---	---	---	---	---	---	---	0.0129*	0.0002	17
18	---	---	---	---	---	---	---	---	---	---	0.0085	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0052	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0048	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0031	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0017	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0015	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0015	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0015	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0015	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0016	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0019	0	28
29	---		---	---	---	---	---	---	---	---	0.0015	0	29
30	---		---	---	---	---	---	---	---	---	0.0026*	0	30
31	---		---		---		---	---		---		0.0027	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.122	0.0214	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0041	0.0007	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0079	0.0008	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0425	0.0027	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.143

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0070 B1= 0.8717 A2= 0.0000 B2= 0.0000 R^2= 0.7245 N= 12.

TOTAL DAILY DISCHARGE FOR 1990 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.11	1.40	0.251	2.13	---	---	---	---	---	---	---	---	1
2	0.346	29.8	0.562	3.33	---	---	---	---	---	---	---	---	2
3	0.665	8.78	1.19	2.89	---	---	---	---	---	---	---	---	3
4	4.34	4.58	0.363	2.89	---	---	---	---	---	---	---	---	4
5	5.88	2.99	0.173	1.41	---	---	---	---	---	---	---	---	5
6	2.93	9.26	0.147	0.968	---	---	---	---	---	---	---	---	6
7	2.13	16.6	0.156	0.868	---	---	---	---	---	---	---	---	7
8	2.05	10.2	1.26	0.792	---	---	---	---	---	---	---	---	8
9	3.20	6.14	14.5	0.860	---	---	---	---	---	---	---	---	9
10	11.3	3.95	19.7	14.8	---	---	---	---	---	---	---	---	10
11	3.78	2.43	16.3	8.92	---	---	---	---	---	---	---	---	11
12	2.46	0.527	10.7	2.38	---	---	---	---	---	---	---	---	12
13	0.691	0.536	5.51	1.64	---	---	---	---	---	---	---	---	13
14	0.605	0.328	3.62	3.48	---	---	---	---	---	---	---	---	14
15	0.518	3.30	2.46	2.22	---	---	---	---	---	---	---	---	15
16	0.700	7.98	2.83	1.50	---	---	---	---	---	---	---	---	16
17	15.7	7.73	2.96	1.22	---	---	---	---	---	---	---	---	17
18	29.8	6.58	1.43	0.792	---	---	---	---	---	---	---	---	18
19	10.5	7.84	1.07	0.749	---	---	---	---	---	---	---	---	19
20	3.64	7.65	1.05	1.74	---	---	---	---	---	---	---	---	20
21	1.99	4.94	0.896	5.97	---	---	---	---	---	---	---	---	21
22	1.30	118	0.972	1.80	---	---	---	---	---	---	---	---	22
23	1.79	50.6	0.889	1.31	---	---	---	---	---	---	---	---	23
24	12.4	16.6	0.572	1.00	---	---	---	---	---	---	---	---	24
25	12.4	5.18	0.565	0.821	---	---	---	---	---	---	---	---	25
26	5.56	1.12	0.493	0.670	---	---	---	---	---	---	---	---	26
27	2.70	0.691	0.346	0.641	---	---	---	---	---	---	---	---	27
28	2.40	0.432	0.295	0.680	---	---	---	---	---	---	---	---	28
29	1.74		0.274	0.518	---	---	---	---	---	---	---	---	29
30	1.08		0.407	0.346	---	---	---	---	---	---	---	---	30
31	0.630		0.562		---		---	---		---		---	31
TOTAL	146	336	92.5	69.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	4.72	12.0	2.98	2.31	---	---	---	---	---	---	---	---	MEAN
ST.D.	6.24	23.4	5.10	2.95	---	---	---	---	---	---	---	---	ST.D.
MAX	29.8	118	19.7	14.8	---	---	---	---	---	---	---	---	MAX
MIN	0.346	0.328	0.147	0.346	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 645
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control Area: 281. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0383	0.0666	0.0053	0.0944	---	---	---	---	---	---	---	---	1
2	0.0081	3.14	0.0155	0.167	---	---	---	---	---	---	---	---	2
3	0.0195	0.615	0.0423	0.138*	---	---	---	---	---	---	---	---	3
4	0.236*	0.255	0.0087	0.139	---	---	---	---	---	---	---	---	4
5	0.354*	0.144	0.0032*	0.0534	---	---	---	---	---	---	---	---	5
6	0.140*	0.738	0.0026	0.0322	---	---	---	---	---	---	---	---	6
7	0.0913*	1.41	0.0028	0.0278	---	---	---	---	---	---	---	---	7
8	0.0869	0.743	0.0470	0.0246	---	---	---	---	---	---	---	---	8
9	0.157	0.375	1.24	0.0275*	---	---	---	---	---	---	---	---	9
10	0.847	0.209	1.78	1.50*	---	---	---	---	---	---	---	---	10
11	0.197	0.109	1.38	0.666*	---	---	---	---	---	---	---	---	11
12	0.111	0.0143	0.795	0.107	---	---	---	---	---	---	---	---	12
13	0.0205	0.0146	0.325	0.0648*	---	---	---	---	---	---	---	---	13
14	0.0172	0.0076	0.186	0.181	---	---	---	---	---	---	---	---	14
15	0.0140	0.186	0.111	0.0970	---	---	---	---	---	---	---	---	15
16	0.0208*	0.542	0.135	0.0580	---	---	---	---	---	---	---	---	16
17	1.46*	0.516	0.143	0.0442	---	---	---	---	---	---	---	---	17
18	3.14*	0.417	0.0546	0.0247*	---	---	---	---	---	---	---	---	18
19	0.799*	0.522	0.0365	0.0229	---	---	---	---	---	---	---	---	19
20	0.189	0.525	0.0360	0.0867	---	---	---	---	---	---	---	---	20
21	0.0845	0.283	0.0290	0.381	---	---	---	---	---	---	---	---	21
22	0.0473	21.8	0.0324	0.0738	---	---	---	---	---	---	---	---	22
23	0.0740	6.40	0.0290	0.0486	---	---	---	---	---	---	---	---	23
24	0.981	1.45	0.0160	0.0339	---	---	---	---	---	---	---	---	24
25	0.956	0.299	0.0157	0.0259	---	---	---	---	---	---	---	---	25
26	0.338	0.0391	0.0131	0.0197	---	---	---	---	---	---	---	---	26
27	0.126	0.0205	0.0081	0.0186	---	---	---	---	---	---	---	---	27
28	0.108	0.0110	0.0066	0.0201	---	---	---	---	---	---	---	---	28
29	0.0702		0.0060	0.0140	---	---	---	---	---	---	---	---	29
30	0.0373*		0.0102	0.0081	---	---	---	---	---	---	---	---	30
31	0.0182		0.0156		---		---	---		---			31
TOTAL	10.8	40.8	6.52	4.20	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.348	1.46	0.210	0.140	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.632	4.18	0.449	0.289	---	---	---	---	---	---	---	---	ST.D.
MAX	3.14	21.8	1.78	1.50	---	---	---	---	---	---	---	---	MAX
MIN	0.0081	0.0076	0.0026	0.0081	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 62.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 146.0341 B1= 1.3302 A2= 0.0000 B2= 0.0000 R^2= 0.9127 N= 34.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.155	0.275	0.0210	0.387	---	---	---	---	---	---	---	---	1
2	0.0323	13.5	0.0622	0.690	---	---	---	---	---	---	---	---	2
3	0.0781	2.58	0.171	0.568*	---	---	---	---	---	---	---	---	3
4	0.977*	1.06	0.0345	0.570	---	---	---	---	---	---	---	---	4
5	1.47*	0.593	0.0127*	0.217	---	---	---	---	---	---	---	---	5
6	0.575*	3.12	0.0102	0.130	---	---	---	---	---	---	---	---	6
7	0.374*	5.98	0.0110	0.112	---	---	---	---	---	---	---	---	7
8	0.355	3.12	0.191	0.0990	---	---	---	---	---	---	---	---	8
9	0.647	1.56	5.25	0.111*	---	---	---	---	---	---	---	---	9
10	3.57	0.866	7.56	6.44*	---	---	---	---	---	---	---	---	10
11	0.813	0.448	5.84	2.81*	---	---	---	---	---	---	---	---	11
12	0.455	0.0571	3.35	0.437	---	---	---	---	---	---	---	---	12
13	0.0822	0.0583	1.35	0.264*	---	---	---	---	---	---	---	---	13
14	0.0687	0.0302	0.768	0.750	---	---	---	---	---	---	---	---	14
15	0.0558	0.773	0.456	0.397	---	---	---	---	---	---	---	---	15
16	0.0836*	2.27	0.555	0.236	---	---	---	---	---	---	---	---	16
17	6.21*	2.16	0.587	0.179	---	---	---	---	---	---	---	---	17
18	13.5*	1.74	0.222	0.0992*	---	---	---	---	---	---	---	---	18
19	3.37*	2.18	0.147	0.0920	---	---	---	---	---	---	---	---	19
20	0.780	2.20	0.146	0.358	---	---	---	---	---	---	---	---	20
21	0.345	1.18	0.117	1.59	---	---	---	---	---	---	---	---	21
22	0.192	96.1	0.131	0.301	---	---	---	---	---	---	---	---	22
23	0.302	27.7	0.117	0.197	---	---	---	---	---	---	---	---	23
24	4.14	6.17	0.0639	0.137	---	---	---	---	---	---	---	---	24
25	4.03	1.24	0.0628	0.104	---	---	---	---	---	---	---	---	25
26	1.41	0.158	0.0523	0.0791	---	---	---	---	---	---	---	---	26
27	0.518	0.0822	0.0323	0.0745	---	---	---	---	---	---	---	---	27
28	0.443	0.0436	0.0263	0.0807	---	---	---	---	---	---	---	---	28
29	0.286		0.0237	0.0561	---	---	---	---	---	---	---	---	29
30	0.151*		0.0404	0.0323	---	---	---	---	---	---	---	---	30
31	0.0728		0.0624		---		---	---		---		---	31
TOTAL	45.5	177	27.5	17.6	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.47	6.33	0.886	0.586	---	---	---	---	---	---	---	---	MEAN
ST.D.	2.70	18.5	1.91	1.24	---	---	---	---	---	---	---	---	ST.D.
MAX	13.5	96.1	7.56	6.44	---	---	---	---	---	---	---	---	MAX
MIN	0.0323	0.0302	0.0102	0.0323	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 267

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.6366 B1= 1.3474 A2= 0.0000 B2= 0.0000 R^2= 0.9080 N= 34.

Watershed: Essex Control Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0220	0.0310	0.0041	0.0465	---	---	---	---	---	---	---	---	1
2	0.0059	0.901	0.0103	0.0762	---	---	---	---	---	---	---	---	2
3	0.0124	0.228	0.0239	0.0650*	---	---	---	---	---	---	---	---	3
4	0.102*	0.109	0.0063	0.0650	---	---	---	---	---	---	---	---	4
5	0.144*	0.0674	0.0027*	0.0290	---	---	---	---	---	---	---	---	5
6	0.0658*	0.251	0.0023	0.0190	---	---	---	---	---	---	---	---	6
7	0.0459*	0.463	0.0024	0.0168	---	---	---	---	---	---	---	---	7
8	0.0440	0.269	0.0257	0.0151	---	---	---	---	---	---	---	---	8
9	0.0726	0.151	0.404	0.0166*	---	---	---	---	---	---	---	---	9
10	0.301	0.0923	0.563	0.440*	---	---	---	---	---	---	---	---	10
11	0.0878	0.0533	0.453	0.236*	---	---	---	---	---	---	---	---	11
12	0.0541	0.0096	0.284	0.0522	---	---	---	---	---	---	---	---	12
13	0.0130	0.0097	0.134	0.0343*	---	---	---	---	---	---	---	---	13
14	0.0112	0.0056	0.0835	0.0806	---	---	---	---	---	---	---	---	14
15	0.0094	0.0786	0.0541	0.0482	---	---	---	---	---	---	---	---	15
16	0.0132*	0.204	0.0634	0.0312	---	---	---	---	---	---	---	---	16
17	0.452*	0.197	0.0667	0.0247	---	---	---	---	---	---	---	---	17
18	0.902*	0.164	0.0294	0.0151*	---	---	---	---	---	---	---	---	18
19	0.281*	0.199	0.0211	0.0142	---	---	---	---	---	---	---	---	19
20	0.0843	0.197	0.0209	0.0392	---	---	---	---	---	---	---	---	20
21	0.0428	0.119	0.0174	0.149	---	---	---	---	---	---	---	---	21
22	0.0263	4.42	0.0191	0.0382	---	---	---	---	---	---	---	---	22
23	0.0380	1.64	0.0173	0.0268	---	---	---	---	---	---	---	---	23
24	0.336	0.468	0.0105	0.0198	---	---	---	---	---	---	---	---	24
25	0.334	0.125	0.0103	0.0158	---	---	---	---	---	---	---	---	25
26	0.137	0.0224	0.0089	0.0125	---	---	---	---	---	---	---	---	26
27	0.0601	0.0130	0.0059	0.0119	---	---	---	---	---	---	---	---	27
28	0.0527	0.0076	0.0050	0.0128	---	---	---	---	---	---	---	---	28
29	0.0367		0.0046	0.0094	---	---	---	---	---	---	---	---	29
30	0.0214*		0.0072	0.0059	---	---	---	---	---	---	---	---	30
31	0.0117		0.0103		---		---	---		---		---	31
TOTAL	3.82	10.5	2.37	1.67	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.123	0.375	0.0765	0.0556	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.186	0.860	0.144	0.0865	---	---	---	---	---	---	---	---	ST.D.
MAX	0.902	4.42	0.563	0.440	---	---	---	---	---	---	---	---	MAX
MIN	0.0059	0.0056	0.0023	0.0059	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 18.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0342 B1= 1.1245 A2= 0.0000 B2= 0.0000 R^2= 0.7675 N= 34.

TOTAL DAILY DISCHARGE FOR 1990 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.299	0.0864	0.461	0	0.0468	---	---	---	1
2	---	---	---	---	0.212	0.101	0.191	0	0	---	---	---	2
3	---	---	---	---	0.173	0.925	0.0864	0	0	---	---	---	3
4	---	---	---	---	5.41	1.18	0.0864	0	0	---	---	---	4
5	---	---	---	---	4.28	0.371	0.0864	0	0	---	---	---	5
6	---	---	---	---	1.04	0.328	0.0432	0	12.9	---	---	---	6
7	---	---	---	---	0.817	0.374	0	0	117	---	---	---	7
8	---	---	---	---	0.677	16.5	0	0	11.5	---	---	---	8
9	---	---	---	---	0.572	5.42	0	0	3.03	---	---	---	9
10	---	---	---	---	0.680	1.43	0	0	0.443	---	---	---	10
11	---	---	---	---	0.396	0.749	0	0	0.104	---	---	---	11
12	---	---	---	---	0.270	0.698	0	0.0252	0.0864	---	---	---	12
13	---	---	---	---	18.2	0.738	0	0.270	0.0864	---	---	---	13
14	---	---	---	---	4.24	0.706	5.19	0.0756	40.9	---	---	---	14
15	---	---	---	---	1.90	0.670	0.745	0.0684	18.8	---	---	---	15
16	---	---	---	---	21.6	0.414	0.115	0	66.4	---	---	---	16
17	---	---	---	---	10.0	0.346	0.0576	0	10.5	---	---	---	17
18	---	---	---	---	1.80	0.331	0.0180	0.0792	4.70	---	---	---	18
19	---	---	---	---	0.961	0.306	0.0036	8.78	22.8	---	---	---	19
20	---	---	---	---	0.770	0.259	0.0072	0.763	9.58	---	---	---	20
21	---	---	---	---	0.529	0.986	0	0.148	5.50	---	---	---	21
22	---	---	---	---	0.432	0.749	0.0468	0.112	7.07	---	---	---	22
23	---	---	---	---	0.382	2.69	0.0864	0.0540	1.40	---	---	---	23
24	---	---	---	---	0.353	1.86	0.0432	0.0432	0.572	---	---	---	24
25	---	---	---	---	0.295	0.598	0	0.0864	0.378	---	---	---	25
26	---	---	---	---	0.310	0.302	0	0.0540	0.220	---	---	---	26
27	---	---	---	---	0.281	0.155	0	0	0.0864	---	---	---	27
28	---	---	---	---	0.259	5.33	0	0.0252	0.0864	---	---	---	28
29	---		---	---	0.227	3.24	0	0.0864	0.0864	---	---	---	29
30	---		---	---	0.173	0.778	0	0.0864	0.0864	---	---	---	30
31	---		---		0.137		0	0.0864		---		---	31
TOTAL	---	---	---	---	77.6	48.7	7.27	10.8	334	---	---	---	TOTAL
MEAN	---	---	---	---	2.50	1.62	0.234	0.350	11.2	---	---	---	MEAN
ST.D.	---	---	---	---	5.10	3.13	0.933	1.57	24.6	---	---	---	ST.D.
MAX	---	---	---	---	21.6	16.5	5.19	8.78	117	---	---	---	MAX
MIN	---	---	---	---	0.137	0.0864	0	0	0	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 479
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control Area: 281. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0102	0.0019	0.0187	0	0.0010	---	---	---	1
2	---	---	---	---	0.0064	0.0024	0.0057	0	0	---	---	---	2
3	---	---	---	---	0.0048	0.0541	0.0019	0	0	---	---	---	3
4	---	---	---	---	0.687*	0.0701*	0.0019	0	0	---	---	---	4
5	---	---	---	---	0.405*	0.0137	0.0019	0	0	---	---	---	5
6	---	---	---	---	0.0552	0.0115	0.0009	0	3.75*	---	---	---	6
7	---	---	---	---	0.0395*	0.0139	0	0	36.6*	---	---	---	7
8	---	---	---	---	0.0308	2.57	0	0	1.45	---	---	---	8
9	---	---	---	---	0.0245	0.540	0	0	0.251	---	---	---	9
10	---	---	---	---	0.0309	0.0861	0	0	0.0179	---	---	---	10
11	---	---	---	---	0.0151	0.0353	0	0	0.0025	---	---	---	11
12	---	---	---	---	0.0089*	0.0320	0	0.0006	0.0019	---	---	---	12
13	---	---	---	---	2.91*	0.0345	0	0.0094*	0.0019	---	---	---	13
14	---	---	---	---	0.382*	0.0324	0.617	0.0017	11.4*	---	---	---	14
15	---	---	---	---	0.125*	0.0307	0.0424	0.0015	2.94*	---	---	---	15
16	---	---	---	---	3.72*	0.0160	0.0029	0	17.3*	---	---	---	16
17	---	---	---	---	1.21*	0.0125	0.0013	0	1.27*	---	---	---	17
18	---	---	---	---	0.118*	0.0118	0.0004	0.0020*	0.426*	---	---	---	18
19	---	---	---	---	0.0495*	0.0105	0.0001	1.00*	3.95*	---	---	---	19
20	---	---	---	---	0.0366	0.0084	0.0002	0.0439*	1.12*	---	---	---	20
21	---	---	---	---	0.0221*	0.0553*	0	0.0041*	0.545*	---	---	---	21
22	---	---	---	---	0.0167	0.0356	0.0010	0.0028*	0.759	---	---	---	22
23	---	---	---	---	0.0141	0.212	0.0019*	0.0012	0.0856	---	---	---	23
24	---	---	---	---	0.0127	0.125	0.0009	0.0009	0.0245	---	---	---	24
25	---	---	---	---	0.0100	0.0264	0	0.0019	0.0140*	---	---	---	25
26	---	---	---	---	0.0107	0.0103	0	0.0012	0.0067	---	---	---	26
27	---	---	---	---	0.0094	0.0043	0	0	0.0019	---	---	---	27
28	---	---	---	---	0.0084	0.581	0	0.0006	0.0019	---	---	---	28
29	---		---	---	0.0070	0.272	0	0.0019	0.0019	---	---	---	29
30	---		---	---	0.0048	0.0373	0	0.0019	0.0019	---	---	---	30
31	---		---		0.0036		0	0.0019		---		---	31
TOTAL	---	---	---	---	9.99	4.95	0.699	1.08	81.9	---	---	---	TOTAL
MEAN	---	---	---	---	0.322	0.165	0.0225	0.0348	2.73	---	---	---	MEAN
ST.D.	---	---	---	---	0.845	0.476	0.111	0.180	7.40	---	---	---	ST.D.
MAX	---	---	---	---	3.72	2.57	0.617	1.00	36.6	---	---	---	MAX
MIN	---	---	---	---	0.0036	0.0019	0	0	0	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 98.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 250.3357 B1= 1.3528 A2= 0.0000 B2= 0.0000 R^2= 0.9318 N= 68.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0445	0.0089	0.0794	0	0.0048	---	---	---	1
2	---	---	---	---	0.0287	0.0111	0.0255	0	0	---	---	---	2
3	---	---	---	---	0.0218	0.215	0.0089	0	0	---	---	---	3
4	---	---	---	---	2.41*	0.279*	0.0089	0	0	---	---	---	4
5	---	---	---	---	1.49*	0.0590	0.0089	0	0	---	---	---	5
6	---	---	---	---	0.224	0.0501	0.0044	0	11.5*	---	---	---	6
7	---	---	---	---	0.163*	0.0598	0	0	110*	---	---	---	7
8	---	---	---	---	0.128	8.74	0	0	5.11	---	---	---	8
9	---	---	---	---	0.103	1.98	0	0	0.945	---	---	---	9
10	---	---	---	---	0.129	0.343	0	0	0.0760	---	---	---	10
11	---	---	---	---	0.0648	0.146	0	0	0.0116	---	---	---	11
12	---	---	---	---	0.0390*	0.133	0	0.0026	0.0089	---	---	---	12
13	---	---	---	---	9.85*	0.143	0	0.0409*	0.0089	---	---	---	13
14	---	---	---	---	1.42*	0.135	2.19	0.0078	35.3*	---	---	---	14
15	---	---	---	---	0.489*	0.128	0.169	0.0070	9.97*	---	---	---	15
16	---	---	---	---	12.4*	0.0685	0.0132	0	53.8*	---	---	---	16
17	---	---	---	---	4.29*	0.0539	0.0059	0	4.51*	---	---	---	17
18	---	---	---	---	0.461*	0.0511	0.0019	0.0093*	1.58*	---	---	---	18
19	---	---	---	---	0.202*	0.0459	0.0004	3.59*	13.2*	---	---	---	19
20	---	---	---	---	0.151	0.0369	0.0007	0.175*	4.01*	---	---	---	20
21	---	---	---	---	0.0933*	0.222*	0	0.0187*	2.00*	---	---	---	21
22	---	---	---	---	0.0714	0.147	0.0048	0.0128*	2.74	---	---	---	22
23	---	---	---	---	0.0610	0.804	0.0089*	0.0056	0.339	---	---	---	23
24	---	---	---	---	0.0550	0.489	0.0044	0.0044	0.103	---	---	---	24
25	---	---	---	---	0.0438	0.111	0	0.0089	0.0602*	---	---	---	25
26	---	---	---	---	0.0466	0.0452	0	0.0056	0.0300	---	---	---	26
27	---	---	---	---	0.0410	0.0194	0	0	0.0089	---	---	---	27
28	---	---	---	---	0.0369	2.09	0	0.0026	0.0089	---	---	---	28
29	---		---	---	0.0312	1.02	0	0.0089	0.0089	---	---	---	29
30	---		---	---	0.0218	0.154	0	0.0089	0.0089	---	---	---	30
31	---		---		0.0164		0	0.0089		---		---	31
TOTAL	---	---	---	---	34.7	17.8	2.54	3.92	256	---	---	---	TOTAL
MEAN	---	---	---	---	1.12	0.593	0.0818	0.126	8.54	---	---	---	MEAN
ST.D.	---	---	---	---	2.84	1.62	0.393	0.643	22.5	---	---	---	ST.D.
MAX	---	---	---	---	12.4	8.74	2.19	3.59	110	---	---	---	MAX
MIN	---	---	---	---	0.0164	0.0089	0	0	0	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 315

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.7880 B1= 1.2947 A2= 0.0000 B2= 0.0000 R^2= 0.9604 N= 68.

Watershed: Essex Control Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0028	0.0007	0.0047	0	0.0004	---	---	---	1
2	---	---	---	---	0.0019	0.0008	0.0017	0	0	---	---	---	2
3	---	---	---	---	0.0015	0.0110	0.0007	0	0	---	---	---	3
4	---	---	---	---	0.0922*	0.0142*	0.0007	0	0	---	---	---	4
5	---	---	---	---	0.0637*	0.0036	0.0007	0	0	---	---	---	5
6	---	---	---	---	0.0119	0.0031	0.0003	0	0.322*	---	---	---	6
7	---	---	---	---	0.0090*	0.0036	0	0	3.02*	---	---	---	7
8	---	---	---	---	0.0072	0.310	0	0	0.196	---	---	---	8
9	---	---	---	---	0.0060	0.0828	0	0	0.0425	---	---	---	9
10	---	---	---	---	0.0073	0.0174	0	0	0.0045	---	---	---	10
11	---	---	---	---	0.0039	0.0081	0	0	0.0008	---	---	---	11
12	---	---	---	---	0.0025*	0.0075	0	0.0002	0.0007	---	---	---	12
13	---	---	---	---	0.345*	0.0080	0	0.0025*	0.0007	---	---	---	13
14	---	---	---	---	0.0618*	0.0076	0.0859	0.0006	1.00*	---	---	---	14
15	---	---	---	---	0.0240*	0.0072	0.0087	0.0005	0.352*	---	---	---	15
16	---	---	---	---	0.423*	0.0041	0.0009	0	1.57*	---	---	---	16
17	---	---	---	---	0.167*	0.0033	0.0004	0	0.176*	---	---	---	17
18	---	---	---	---	0.0227*	0.0032	0.0001	0.0006*	0.0689	---	---	---	18
19	---	---	---	---	0.0109*	0.0029	0.0000	0.143*	0.448*	---	---	---	19
20	---	---	---	---	0.0084	0.0024	0.0001	0.0090*	0.158*	---	---	---	20
21	---	---	---	---	0.0054*	0.0116*	0	0.0013*	0.0838*	---	---	---	21
22	---	---	---	---	0.0043	0.0082	0.0004	0.0009*	0.112	---	---	---	22
23	---	---	---	---	0.0037	0.0368	0.0007*	0.0004	0.0171	---	---	---	23
24	---	---	---	---	0.0034	0.0238	0.0003	0.0003	0.0060	---	---	---	24
25	---	---	---	---	0.0028	0.0063	0	0.0007	0.0037*	---	---	---	25
26	---	---	---	---	0.0029	0.0028	0	0.0004	0.0020	---	---	---	26
27	---	---	---	---	0.0026	0.0013	0	0	0.0007	---	---	---	27
28	---	---	---	---	0.0024	0.0848	0	0.0002	0.0007	---	---	---	28
29	---		---	---	0.0020	0.0457	0	0.0007	0.0007	---	---	---	29
30	---		---	---	0.0015	0.0085	0	0.0007	0.0007	---	---	---	30
31	---		---		0.0011		0	0.0007		---		---	31
TOTAL	---	---	---	---	1.30	0.731	0.106	0.163	7.58	---	---	---	TOTAL
MEAN	---	---	---	---	0.0421	0.0244	0.0034	0.0052	0.253	---	---	---	MEAN
ST.D.	---	---	---	---	0.0981	0.0580	0.0154	0.0256	0.621	---	---	---	ST.D.
MAX	---	---	---	---	0.423	0.310	0.0859	0.143	3.02	---	---	---	MAX
MIN	---	---	---	---	0.0011	0.0007	0	0	0	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 9.89

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0233 B1= 1.1614 A2= 0.0000 B2= 0.0000 R^2= 0.7088 N= 67.

TOTAL DAILY DISCHARGE FOR 1990 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0864	0.173	1.89	1
2	---	---	---	---	---	---	---	---	---	0.0864	0.180	0.994	2
3	---	---	---	---	---	---	---	---	---	0.0864	0.194	54.7	3
4	---	---	---	---	---	---	---	---	---	2.52	0.227	38.3	4
5	---	---	---	---	---	---	---	---	---	2.77	15.6	10.00	5
6	---	---	---	---	---	---	---	---	---	0.731	23.5	5.31	6
7	---	---	---	---	---	---	---	---	---	0.396	7.78	4.60	7
8	---	---	---	---	---	---	---	---	---	0.382	3.80	3.73	8
9	---	---	---	---	---	---	---	---	---	42.7	2.73	3.40	9
10	---	---	---	---	---	---	---	---	---	80.6	3.00	2.96	10
11	---	---	---	---	---	---	---	---	---	52.9	2.04	2.31	11
12	---	---	---	---	---	---	---	---	---	21.8	1.05	2.22	12
13	---	---	---	---	---	---	---	---	---	15.4	0.634	1.66	13
14	---	---	---	---	---	---	---	---	---	10.2	0.518	0.760	14
15	---	---	---	---	---	---	---	---	---	5.76	0.536	1.24	15
16	---	---	---	---	---	---	---	---	---	2.58	0.641	1.68	16
17	---	---	---	---	---	---	---	---	---	2.03	0.547	1.23	17
18	---	---	---	---	---	---	---	---	---	20.3	0.331	6.89	18
19	---	---	---	---	---	---	---	---	---	12.4	0.317	12.6	19
20	---	---	---	---	---	---	---	---	---	5.48	0.270	5.61	20
21	---	---	---	---	---	---	---	---	---	3.38	0.230	16.7	21
22	---	---	---	---	---	---	---	---	---	2.12	1.48	22.5	22
23	---	---	---	---	---	---	---	---	---	1.50	2.16	17.0	23
24	---	---	---	---	---	---	---	---	---	0.979	2.67	11.4	24
25	---	---	---	---	---	---	---	---	---	0.641	1.48	5.90	25
26	---	---	---	---	---	---	---	---	---	0.396	0.760	4.67	26
27	---	---	---	---	---	---	---	---	---	0.328	2.08	9.07	27
28	---	---	---	---	---	---	---	---	---	0.302	10.0	8.33	28
29	---		---	---	---	---	---	---	---	0.209	5.26	114	29
30	---		---	---	---	---	---	---	---	0.173	2.53	102	30
31	---		---		---		---	---		0.173		20.0	31
TOTAL	---	---	---	---	---	---	---	---	---	289	92.7	495	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	9.34	3.09	16.0	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	18.2	5.12	27.4	ST.D.
MAX	---	---	---	---	---	---	---	---	---	80.6	23.5	114	MAX
MIN	---	---	---	---	---	---	---	---	---	0.0864	0.173	0.760	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 877
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control

Area: 281. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0032	0.0072	0.120	1
2	---	---	---	---	---	---	---	---	---	0.0032	0.0076	0.0563	2
3	---	---	---	---	---	---	---	---	---	0.0032	0.0083	6.84	3
4	---	---	---	---	---	---	---	---	---	0.181	0.0100	4.15*	4
5	---	---	---	---	---	---	---	---	---	0.190	1.65	0.850	5
6	---	---	---	---	---	---	---	---	---	0.0393	2.34*	0.402	6
7	---	---	---	---	---	---	---	---	---	0.0191	0.631	0.339	7
8	---	---	---	---	---	---	---	---	---	0.0183*	0.272	0.265	8
9	---	---	---	---	---	---	---	---	---	4.82*	0.184	0.238	9
10	---	---	---	---	---	---	---	---	---	9.78*	0.205	0.202	10
11	---	---	---	---	---	---	---	---	---	6.02*	0.131	0.151	11
12	---	---	---	---	---	---	---	---	---	2.12	0.0605	0.144	12
13	---	---	---	---	---	---	---	---	---	1.40*	0.0331	0.103	13
14	---	---	---	---	---	---	---	---	---	0.866	0.0261	0.0410	14
15	---	---	---	---	---	---	---	---	---	0.444*	0.0272	0.0733	15
16	---	---	---	---	---	---	---	---	---	0.173	0.0336	0.104	16
17	---	---	---	---	---	---	---	---	---	0.130	0.0280	0.0725	17
18	---	---	---	---	---	---	---	---	---	2.00	0.0155	0.586	18
19	---	---	---	---	---	---	---	---	---	1.10	0.0147	1.12	19
20	---	---	---	---	---	---	---	---	---	0.417	0.0122	0.428	20
21	---	---	---	---	---	---	---	---	---	0.237	0.0101	1.65	21
22	---	---	---	---	---	---	---	---	---	0.137	0.0928	2.20	22
23	---	---	---	---	---	---	---	---	---	0.0911	0.140	1.58	23
24	---	---	---	---	---	---	---	---	---	0.0552	0.179	0.988	24
25	---	---	---	---	---	---	---	---	---	0.0336	0.0903	0.458	25
26	---	---	---	---	---	---	---	---	---	0.0191	0.0410	0.346	26
27	---	---	---	---	---	---	---	---	---	0.0153	0.137	0.754	27
28	---	---	---	---	---	---	---	---	---	0.0139	0.859*	0.681	28
29	---		---	---	---	---	---	---	---	0.0090	0.400	15.4	29
30	---		---	---	---	---	---	---	---	0.0072	0.168	13.2	30
31	---		---		---		---	---		0.0072		1.94	31
TOTAL	---	---	---	---	---	---	---	---	---	30.3	7.81	55.5	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	0.979	0.260	1.79	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	2.15	0.517	3.63	ST.D.
MAX	---	---	---	---	---	---	---	---	---	9.78	2.34	15.4	MAX
MIN	---	---	---	---	---	---	---	---	---	0.0032	0.0072	0.0410	MIN

TOTAL LOAD FOR YEAR, 93.6

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 122.6485 B1= 1.1737 A2= 0.0000 B2= 0.0000 R^2= 0.7924 N= 17.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0044	0.0109	0.265	1
2	---	---	---	---	---	---	---	---	---	0.0044	0.0116	0.113	2
3	---	---	---	---	---	---	---	---	---	0.0044	0.0129	28.2	3
4	---	---	---	---	---	---	---	---	---	0.453	0.0159	15.0*	4
5	---	---	---	---	---	---	---	---	---	0.453	5.90	2.47	5
6	---	---	---	---	---	---	---	---	---	0.0754	7.82*	1.05	6
7	---	---	---	---	---	---	---	---	---	0.0331	1.75	0.862	7
8	---	---	---	---	---	---	---	---	---	0.0315*	0.674	0.654	8
9	---	---	---	---	---	---	---	---	---	18.0*	0.431	0.577	9
10	---	---	---	---	---	---	---	---	---	39.0*	0.489	0.479	10
11	---	---	---	---	---	---	---	---	---	22.7*	0.294	0.346	11
12	---	---	---	---	---	---	---	---	---	6.89	0.123	0.327	12
13	---	---	---	---	---	---	---	---	---	4.32*	0.0618	0.224	13
14	---	---	---	---	---	---	---	---	---	2.50	0.0472	0.0788	14
15	---	---	---	---	---	---	---	---	---	1.18*	0.0494	0.153	15
16	---	---	---	---	---	---	---	---	---	0.403	0.0627	0.226	16
17	---	---	---	---	---	---	---	---	---	0.291	0.0512	0.150	17
18	---	---	---	---	---	---	---	---	---	6.67	0.0262	1.72	18
19	---	---	---	---	---	---	---	---	---	3.29	0.0246	3.38	19
20	---	---	---	---	---	---	---	---	---	1.09	0.0199	1.12	20
21	---	---	---	---	---	---	---	---	---	0.575	0.0162	5.56	21
22	---	---	---	---	---	---	---	---	---	0.309	0.205	7.24	22
23	---	---	---	---	---	---	---	---	---	0.195	0.318	4.95	23
24	---	---	---	---	---	---	---	---	---	0.110*	0.419	2.90	24
25	---	---	---	---	---	---	---	---	---	0.0629	0.194	1.22	25
26	---	---	---	---	---	---	---	---	---	0.0331	0.0786	0.885	26
27	---	---	---	---	---	---	---	---	---	0.0257	0.318	2.14	27
28	---	---	---	---	---	---	---	---	---	0.0231	2.52*	1.90	28
29	---		---	---	---	---	---	---	---	0.0142	1.05	67.4	29
30	---		---	---	---	---	---	---	---	0.0109	0.389	55.7	30
31	---		---		---		---	---		0.0109		6.31	31
TOTAL	---	---	---	---	---	---	---	---	---	108	23.4	213	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	3.51	0.779	6.89	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	8.38	1.76	15.7	ST.D.
MAX	---	---	---	---	---	---	---	---	---	39.0	7.82	67.4	MAX
MIN	---	---	---	---	---	---	---	---	---	0.0044	0.0109	0.0788	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 345

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.4937 B1= 1.3304 A2= 0.0000 B2= 0.0000 R^2= 0.9319 N= 18.

Watershed: Essex Control

Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	0.0006	0.0014	0.0270	1
2	---	---	---	---	---	---	---	---	---	0.0006	0.0015	0.0123	2
3	---	---	---	---	---	---	---	---	---	0.0006	0.0016	1.95	3
4	---	---	---	---	---	---	---	---	---	0.0428	0.0020	1.13*	4
5	---	---	---	---	---	---	---	---	---	0.0440	0.446	0.213	5
6	---	---	---	---	---	---	---	---	---	0.0084	0.616*	0.0964	6
7	---	---	---	---	---	---	---	---	---	0.0039	0.155	0.0807	7
8	---	---	---	---	---	---	---	---	---	0.0038	0.0641	0.0624	8
9	---	---	---	---	---	---	---	---	---	1.32*	0.0425	0.0556	9
10	---	---	---	---	---	---	---	---	---	2.75	0.0477	0.0468	10
11	---	---	---	---	---	---	---	---	---	1.66*	0.0297	0.0346	11
12	---	---	---	---	---	---	---	---	---	0.552	0.0132	0.0329	12
13	---	---	---	---	---	---	---	---	---	0.359*	0.0070	0.0231	13
14	---	---	---	---	---	---	---	---	---	0.216	0.0055	0.0088	14
15	---	---	---	---	---	---	---	---	---	0.107*	0.0057	0.0162	15
16	---	---	---	---	---	---	---	---	---	0.0398	0.0071	0.0233	16
17	---	---	---	---	---	---	---	---	---	0.0295	0.0059	0.0160	17
18	---	---	---	---	---	---	---	---	---	0.527	0.0032	0.147	18
19	---	---	---	---	---	---	---	---	---	0.278	0.0030	0.285	19
20	---	---	---	---	---	---	---	---	---	0.100	0.0025	0.103	20
21	---	---	---	---	---	---	---	---	---	0.0554	0.0020	0.436	21
22	---	---	---	---	---	---	---	---	---	0.0311	0.0209	0.576	22
23	---	---	---	---	---	---	---	---	---	0.0203	0.0320	0.407	23
24	---	---	---	---	---	---	---	---	---	0.0120*	0.0413	0.248	24
25	---	---	---	---	---	---	---	---	---	0.0071	0.0202	0.111	25
26	---	---	---	---	---	---	---	---	---	0.0039	0.0088	0.0826	26
27	---	---	---	---	---	---	---	---	---	0.0031	0.0315	0.187	27
28	---	---	---	---	---	---	---	---	---	0.0028	0.215*	0.168	28
29	---		---	---	---	---	---	---	---	0.0018	0.0962	4.49	29
30	---		---	---	---	---	---	---	---	0.0014	0.0386	3.79	30
31	---		---		---		---	---		0.0014		0.506	31
TOTAL	---	---	---	---	---	---	---	---	---	8.19	1.97	15.4	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	0.264	0.0656	0.496	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	0.600	0.137	1.05	ST.D.
MAX	---	---	---	---	---	---	---	---	---	2.75	0.616	4.49	MAX
MIN	---	---	---	---	---	---	---	---	---	0.0006	0.0014	0.0088	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 25.5

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0347 B1= 1.2323 A2= 0.0000 B2= 0.0000 R^2= 0.6217 N= 10.

TOTAL DAILY DISCHARGE FOR 1991 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.62	0	0.367	0.156	---	---	---	---	---	---	---	---	1
2	1.02	0	10.9	0.0950	---	---	---	---	---	---	---	---	2
3	0.616	0.630	6.19	0.0605	---	---	---	---	---	---	---	---	3
4	0.526	1.78	1.44	0.0778	---	---	---	---	---	---	---	---	4
5	0.454	2.17	1.05	0.156	---	---	---	---	---	---	---	---	5
6	0.310	0.716	12.5	0.156	---	---	---	---	---	---	---	---	6
7	0.122	0.576	2.71	0.164	---	---	---	---	---	---	---	---	7
8	0.104	0.594	0.648	2.77	---	---	---	---	---	---	---	---	8
9	0.173	0.508	0.439	7.54	---	---	---	---	---	---	---	---	9
10	0.0864	0.446	0.392	0.942	---	---	---	---	---	---	---	---	10
11	0.817	0.238	0.266	0.294	---	---	---	---	---	---	---	---	11
12	2.97	0.0864	0.238	0.181	---	---	---	---	---	---	---	---	12
13	1.05	0.0972	0.230	0.251	---	---	---	---	---	---	---	---	13
14	0.518	0.137	0.158	0.285	---	---	---	---	---	---	---	---	14
15	5.66	0.389	0.0864	0.501	---	---	---	---	---	---	---	---	15
16	27.7	0.270	0.0864	0.311	---	---	---	---	---	---	---	---	16
17	14.1	0	0.0864	0.216	---	---	---	---	---	---	---	---	17
18	2.94	0	0.580	0.173	---	---	---	---	---	---	---	---	18
19	2.63	22.7	0.486	14.3	---	---	---	---	---	---	---	---	19
20	10.5	33.1	0.324	67.3	---	---	---	---	---	---	---	---	20
21	7.94	24.6	0.259	16.7	---	---	---	---	---	---	---	---	21
22	0.720	14.3	0.194	4.55	---	---	---	---	---	---	---	---	22
23	0.565	9.94	0.248	1.15	---	---	---	---	---	---	---	---	23
24	0.256	0.616	0.205	1.64	---	---	---	---	---	---	---	---	24
25	0.148	0.526	0.0864	0.752	---	---	---	---	---	---	---	---	25
26	0.0864	0.302	0.0864	0.536	---	---	---	---	---	---	---	---	26
27	0.0864	0.216	0.248	0.389	---	---	---	---	---	---	---	---	27
28	0.0648	0.137	1.77	0.268	---	---	---	---	---	---	---	---	28
29	0		0.457	0.181	---	---	---	---	---	---	---	---	29
30	0		0.220	0.147	---	---	---	---	---	---	---	---	30
31	0		0.173		---		---	---		---		---	31
TOTAL	84.8	114	43.1	122	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.74	4.11	1.39	4.08	---	---	---	---	---	---	---	---	MEAN
ST.D.	5.71	8.72	2.99	12.6	---	---	---	---	---	---	---	---	ST.D.
MAX	27.7	33.1	12.5	67.3	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0864	0.0605	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 365
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control

Area: 281. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.199	0	0.0135*	0.0035	---	---	---	---	---	---	---	---	1
2	0.0505	0	1.58*	0.0018*	---	---	---	---	---	---	---	---	2
3	0.0246	0.0351	0.795*	0.0009	---	---	---	---	---	---	---	---	3
4	0.0198	0.126	0.0895*	0.0013	---	---	---	---	---	---	---	---	4
5	0.0159	0.151	0.0542	0.0035	---	---	---	---	---	---	---	---	5
6	0.0095	0.0307	1.98	0.0035	---	---	---	---	---	---	---	---	6
7	0.0026	0.0223	0.228	0.0038	---	---	---	---	---	---	---	---	7
8	0.0021	0.0232	0.0267	0.204	---	---	---	---	---	---	---	---	8
9	0.0041*	0.0187	0.0152	0.835	---	---	---	---	---	---	---	---	9
10	0.0015	0.0156	0.0130	0.0444	---	---	---	---	---	---	---	---	10
11	0.0554	0.0065	0.0075	0.0086	---	---	---	---	---	---	---	---	11
12	0.232	0.0015	0.0064	0.0044	---	---	---	---	---	---	---	---	12
13	0.0605	0.0018	0.0062	0.0069	---	---	---	---	---	---	---	---	13
14	0.0194	0.0030	0.0036	0.0082	---	---	---	---	---	---	---	---	14
15	0.744	0.0131	0.0015	0.0183	---	---	---	---	---	---	---	---	15
16	5.36	0.0082	0.0015	0.0093	---	---	---	---	---	---	---	---	16
17	2.11	0	0.0015	0.0056	---	---	---	---	---	---	---	---	17
18	0.238	0	0.0233	0.0041	---	---	---	---	---	---	---	---	18
19	0.229	4.85*	0.0176	2.07*	---	---	---	---	---	---	---	---	19
20	1.37	6.78	0.0100	18.3*	---	---	---	---	---	---	---	---	20
21	1.06	4.45	0.0072	2.56	---	---	---	---	---	---	---	---	21
22	0.0309	2.10	0.0049	0.410*	---	---	---	---	---	---	---	---	22
23	0.0222	1.53	0.0068	0.0588*	---	---	---	---	---	---	---	---	23
24	0.0073	0.0245	0.0053	0.0973	---	---	---	---	---	---	---	---	24
25	0.0035	0.0197	0.0015	0.0323	---	---	---	---	---	---	---	---	25
26	0.0015	0.0090	0.0015	0.0201	---	---	---	---	---	---	---	---	26
27	0.0015	0.0056	0.0101	0.0128	---	---	---	---	---	---	---	---	27
28	0.0011	0.0030	0.119	0.0075	---	---	---	---	---	---	---	---	28
29	0		0.0163	0.0044	---	---	---	---	---	---	---	---	29
30	0		0.0058	0.0032	---	---	---	---	---	---	---	---	30
31	0		0.0041		---		---	---	---	---	---	---	31
TOTAL	11.9	20.2	5.06	24.7	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.383	0.722	0.163	0.824	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.04	1.74	0.459	3.35	---	---	---	---	---	---	---	---	ST.D.
MAX	5.36	6.78	1.98	18.3	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0015	0.0009	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 61.9

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 300.7858 B1= 1.4099 A2= 0.0000 B2= 0.0000 R^2= 0.9300 N= 17.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.640	0	0.0424*	0.0108	---	---	---	---	---	---	---	---	1
2	0.160	0	5.23*	0.0053*	---	---	---	---	---	---	---	---	2
3	0.0772	0.112	2.62*	0.0028	---	---	---	---	---	---	---	---	3
4	0.0620	0.406	0.286*	0.0040	---	---	---	---	---	---	---	---	4
5	0.0497	0.484	0.172	0.0108	---	---	---	---	---	---	---	---	5
6	0.0295	0.0966	6.59	0.0108	---	---	---	---	---	---	---	---	6
7	0.0079	0.0698	0.739	0.0116	---	---	---	---	---	---	---	---	7
8	0.0063	0.0729	0.0838	0.656	---	---	---	---	---	---	---	---	8
9	0.0125*	0.0584	0.0474	2.73	---	---	---	---	---	---	---	---	9
10	0.0047	0.0487	0.0404	0.140	---	---	---	---	---	---	---	---	10
11	0.178	0.0203	0.0233	0.0267	---	---	---	---	---	---	---	---	11
12	0.750	0.0047	0.0199	0.0134	---	---	---	---	---	---	---	---	12
13	0.193	0.0056	0.0190	0.0213	---	---	---	---	---	---	---	---	13
14	0.0608	0.0093	0.0112	0.0256	---	---	---	---	---	---	---	---	14
15	2.45	0.0409	0.0047	0.0571	---	---	---	---	---	---	---	---	15
16	17.9	0.0255	0.0047	0.0289	---	---	---	---	---	---	---	---	16
17	6.99	0	0.0047	0.0172	---	---	---	---	---	---	---	---	17
18	0.768	0	0.0733	0.0125	---	---	---	---	---	---	---	---	18
19	0.742	16.3*	0.0551	6.83*	---	---	---	---	---	---	---	---	19
20	4.52	22.7	0.0311	61.9*	---	---	---	---	---	---	---	---	20
21	3.49	14.8	0.0223	8.47	---	---	---	---	---	---	---	---	21
22	0.0972	6.93	0.0150	1.33*	---	---	---	---	---	---	---	---	22
23	0.0698	5.06	0.0211	0.187*	---	---	---	---	---	---	---	---	23
24	0.0225	0.0769	0.0163	0.310	---	---	---	---	---	---	---	---	24
25	0.0106	0.0618	0.0047	0.102	---	---	---	---	---	---	---	---	25
26	0.0047	0.0280	0.0047	0.0628	---	---	---	---	---	---	---	---	26
27	0.0047	0.0174	0.0318	0.0398	---	---	---	---	---	---	---	---	27
28	0.0035	0.0092	0.380	0.0234	---	---	---	---	---	---	---	---	28
29	0		0.0509	0.0134	---	---	---	---	---	---	---	---	29
30	0		0.0179	0.0099	---	---	---	---	---	---	---	---	30
31	0		0.0125		---		---	---		---			31
TOTAL	39.3	67.5	16.7	83.1	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.27	2.41	0.538	2.77	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.47	5.82	1.52	11.3	---	---	---	---	---	---	---	---	ST.D.
MAX	17.9	22.7	6.59	61.9	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0047	0.0028	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 206

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.0236 B1= 1.4262 A2= 0.0000 B2= 0.0000 R^2= 0.9619 N= 17.

Watershed: Essex Control

Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0242	0	0.0025*	0.0009	---	---	---	---	---	---	---	---	1
2	0.0080	0	0.130*	0.0005*	---	---	---	---	---	---	---	---	2
3	0.0044	0.0051	0.0702*	0.0003	---	---	---	---	---	---	---	---	3
4	0.0037	0.0159	0.0122*	0.0004	---	---	---	---	---	---	---	---	4
5	0.0031	0.0194	0.0083	0.0009	---	---	---	---	---	---	---	---	5
6	0.0020	0.0053	0.155	0.0009	---	---	---	---	---	---	---	---	6
7	0.0007	0.0041	0.0260	0.0009	---	---	---	---	---	---	---	---	7
8	0.0006	0.0042	0.0047	0.0254	---	---	---	---	---	---	---	---	8
9	0.0010*	0.0035	0.0030	0.0815	---	---	---	---	---	---	---	---	9
10	0.0004	0.0030	0.0026	0.0072	---	---	---	---	---	---	---	---	10
11	0.0071	0.0015	0.0017	0.0018	---	---	---	---	---	---	---	---	11
12	0.0278	0.0004	0.0014	0.0011	---	---	---	---	---	---	---	---	12
13	0.0086	0.0005	0.0014	0.0015	---	---	---	---	---	---	---	---	13
14	0.0036	0.0008	0.0009	0.0018	---	---	---	---	---	---	---	---	14
15	0.0650	0.0026	0.0004	0.0034	---	---	---	---	---	---	---	---	15
16	0.375	0.0017	0.0004	0.0020	---	---	---	---	---	---	---	---	16
17	0.172	0	0.0004	0.0013	---	---	---	---	---	---	---	---	17
18	0.0279	0	0.0041	0.0010	---	---	---	---	---	---	---	---	18
19	0.0255	0.319*	0.0033	0.173*	---	---	---	---	---	---	---	---	19
20	0.121	0.460	0.0021	1.05*	---	---	---	---	---	---	---	---	20
21	0.0919	0.324	0.0016	0.206	---	---	---	---	---	---	---	---	21
22	0.0053	0.173	0.0011	0.0453*	---	---	---	---	---	---	---	---	22
23	0.0040	0.122	0.0015	0.0091*	---	---	---	---	---	---	---	---	23
24	0.0016	0.0044	0.0012	0.0138	---	---	---	---	---	---	---	---	24
25	0.0008	0.0037	0.0004	0.0055	---	---	---	---	---	---	---	---	25
26	0.0004	0.0019	0.0004	0.0037	---	---	---	---	---	---	---	---	26
27	0.0004	0.0013	0.0017	0.0026	---	---	---	---	---	---	---	---	27
28	0.0003	0.0008	0.0155	0.0017	---	---	---	---	---	---	---	---	28
29	0		0.0031	0.0011	---	---	---	---	---	---	---	---	29
30	0		0.0013	0.0008	---	---	---	---	---	---	---	---	30
31	0		0.0010		---		---	---	---	---	---	---	31
TOTAL	0.987	1.48	0.461	1.64	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0318	0.0528	0.0149	0.0548	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0752	0.120	0.0367	0.194	---	---	---	---	---	---	---	---	ST.D.
MAX	0.375	0.460	0.155	1.05	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0004	0.0003	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 4.57

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0162 B1= 1.1667 A2= 0.0000 B2= 0.0000 R^2= 0.8730 N= 17.

TOTAL DAILY DISCHARGE FOR 1991 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.121	19.0	0	0	0	0	---	---	1
2	---	---	---	---	0.0864	3.54	0	0	0	0	---	---	2
3	---	---	---	---	0.0346	1.30	0	0	0	0	---	---	3
4	---	---	---	---	0.0086	0.320	0	0	0	0	---	---	4
5	---	---	---	---	0.104	0.164	0	0	0	0	---	---	5
6	---	---	---	---	0.579	0.104	0	0	0	0	---	---	6
7	---	---	---	---	0.138	0.0778	0	0	0	0	---	---	7
8	---	---	---	---	0.0691	0.0778	0	0	0	0	---	---	8
9	---	---	---	---	0.0691	0.0950	0	0	0	0	---	---	9
10	---	---	---	---	0.0778	0.0950	0	0	0	0	---	---	10
11	---	---	---	---	0.104	0.130	0	0	0	0	---	---	11
12	---	---	---	---	0.181	0.112	0	0	0	0	---	---	12
13	---	---	---	---	0.397	0.0864	0	0	0	0	---	---	13
14	---	---	---	---	0.380	0.0518	0	0	0	0	---	---	14
15	---	---	---	---	0.199	0.855	0	0	0	0	---	---	15
16	---	---	---	---	0.121	4.74	0	0	0	0	---	---	16
17	---	---	---	---	0.251	0.337	0	0	0	0	---	---	17
18	---	---	---	---	0.173	0.164	0	0	0	0	---	---	18
19	---	---	---	---	0.0605	0.104	0	0	0	0	---	---	19
20	---	---	---	---	0.0173	0.0864	0	0	0	0	---	---	20
21	---	---	---	---	0.0259	0.0778	0	0	0	0	---	---	21
22	---	---	---	---	0.0778	0.0691	0	0	0	0	---	---	22
23	---	---	---	---	0.121	0.0605	0	0	0	0	---	---	23
24	---	---	---	---	0.285	0.0259	0	0	0	0.147	---	---	24
25	---	---	---	---	0.942	0.0086	0	0	0	0.665	---	---	25
26	---	---	---	---	12.0	0	0	0	0	2.04	---	---	26
27	---	---	---	---	2.69	0	0	0	0	1.15	---	---	27
28	---	---	---	---	0.760	0	0	0	0	0.328	---	---	28
29	---		---	---	0.544	0	0	0	0	0.173	---	---	29
30	---		---	---	0.821	0	0	0	0	0.138	---	---	30
31	---		---		1.33		0	0		0.164		---	31
TOTAL	---	---	---	---	22.8	31.7	0	0	0	4.80	---	---	TOTAL
MEAN	---	---	---	---	0.735	1.06	0	0	0	0.155	---	---	MEAN
ST.D.	---	---	---	---	2.16	3.55	0	0	0	0.424	---	---	ST.D.
MAX	---	---	---	---	12.0	19.0	0	0	0	2.04	---	---	MAX
MIN	---	---	---	---	0.0086	0	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 59.3
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control

Area: 281. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0016	3.49	0	0	0	0	---	---	1
2	---	---	---	---	0.0010	0.273	0	0	0	0	---	---	2
3	---	---	---	---	0.0002	0.0593*	0	0	0	0	---	---	3
4	---	---	---	---	0.0000	0.0071	0	0	0	0	---	---	4
5	---	---	---	---	0.0013	0.0026	0	0	0	0	---	---	5
6	---	---	---	---	0.0174	0.0013	0	0	0	0	---	---	6
7	---	---	---	---	0.0020	0.0008	0	0	0	0	---	---	7
8	---	---	---	---	0.0007	0.0008	0	0	0	0	---	---	8
9	---	---	---	---	0.0007	0.0011	0	0	0	0	---	---	9
10	---	---	---	---	0.0008	0.0011	0	0	0	0	---	---	10
11	---	---	---	---	0.0013	0.0018	0	0	0	0	---	---	11
12	---	---	---	---	0.0030	0.0014	0	0	0	0	---	---	12
13	---	---	---	---	0.0099	0.0010*	0	0	0	0	---	---	13
14	---	---	---	---	0.0092	0.0004	0	0	0	0	---	---	14
15	---	---	---	---	0.0034	0.0316	0	0	0	0	---	---	15
16	---	---	---	---	0.0016	0.425	0	0	0	0	---	---	16
17	---	---	---	---	0.0049	0.0077	0	0	0	0	---	---	17
18	---	---	---	---	0.0028	0.0026	0	0	0	0	---	---	18
19	---	---	---	---	0.0006	0.0013	0	0	0	0	---	---	19
20	---	---	---	---	0.0001	0.0010	0	0	0	0	---	---	20
21	---	---	---	---	0.0002	0.0008	0	0	0	0	---	---	21
22	---	---	---	---	0.0008	0.0007	0	0	0	0	---	---	22
23	---	---	---	---	0.0016*	0.0006	0	0	0	0	---	---	23
24	---	---	---	---	0.0060	0.0002	0	0	0	0.0022*	---	---	24
25	---	---	---	---	0.0365	0.0000	0	0	0	0.0216*	---	---	25
26	---	---	---	---	1.74*	0	0	0	0	0.118*	---	---	26
27	---	---	---	---	0.179*	0	0	0	0	0.0494	---	---	27
28	---	---	---	---	0.0264	0	0	0	0	0.0074*	---	---	28
29	---	---	---	---	0.0159*	0	0	0	0	0.0028	---	---	29
30	---		---	---	0.0296	0	0	0	0	0.0020	---	---	30
31	---		---		0.0617*		0	0		0.0026		---	31
TOTAL	---	---	---	---	2.16	4.31	0	0	0	0.206	---	---	TOTAL
MEAN	---	---	---	---	0.0697	0.144	0	0	0	0.0066	---	---	MEAN
ST.D.	---	---	---	---	0.312	0.639	0	0	0	0.0228	---	---	ST.D.
MAX	---	---	---	---	1.74	3.49	0	0	0	0.118	---	---	MAX
MIN	---	---	---	---	0.0000	0	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 6.68

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 402.3228 B1= 1.5177 A2= 0.0000 B2= 0.0000 R^2= 0.7610 N= 19.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0092	6.83	0	0	0	0	---	---	1
2	---	---	---	---	0.0060	0.761	0	0	0	0	---	---	2
3	---	---	---	---	0.0018	0.205*	0	0	0	0	---	---	3
4	---	---	---	---	0.0003	0.0329	0	0	0	0	---	---	4
5	---	---	---	---	0.0076	0.0138	0	0	0	0	---	---	5
6	---	---	---	---	0.0714	0.0076	0	0	0	0	---	---	6
7	---	---	---	---	0.0110	0.0052	0	0	0	0	---	---	7
8	---	---	---	---	0.0045	0.0052	0	0	0	0	---	---	8
9	---	---	---	---	0.0045	0.0067	0	0	0	0	---	---	9
10	---	---	---	---	0.0052	0.0067	0	0	0	0	---	---	10
11	---	---	---	---	0.0076	0.0101	0	0	0	0	---	---	11
12	---	---	---	---	0.0157	0.0084	0	0	0	0	---	---	12
13	---	---	---	---	0.0437	0.0060*	0	0	0	0	---	---	13
14	---	---	---	---	0.0412	0.0031	0	0	0	0	---	---	14
15	---	---	---	---	0.0177	0.119	0	0	0	0	---	---	15
16	---	---	---	---	0.0092	1.11	0	0	0	0	---	---	16
17	---	---	---	---	0.0239	0.0352	0	0	0	0	---	---	17
18	---	---	---	---	0.0147	0.0138	0	0	0	0	---	---	18
19	---	---	---	---	0.0037	0.0076	0	0	0	0	---	---	19
20	---	---	---	---	0.0007	0.0060	0	0	0	0	---	---	20
21	---	---	---	---	0.0012	0.0052	0	0	0	0	---	---	21
22	---	---	---	---	0.0052	0.0045	0	0	0	0	---	---	22
23	---	---	---	---	0.0092*	0.0037	0	0	0	0	---	---	23
24	---	---	---	---	0.0283	0.0012	0	0	0	0.0119*	---	---	24
25	---	---	---	---	0.135	0.0003	0	0	0	0.0856*	---	---	25
26	---	---	---	---	3.75*	0	0	0	0	0.370*	---	---	26
27	---	---	---	---	0.530*	0	0	0	0	0.175	---	---	27
28	---	---	---	---	0.102	0	0	0	0	0.0341*	---	---	28
29	---		---	---	0.0659*	0	0	0	0	0.0147	---	---	29
30	---		---	---	0.113	0	0	0	0	0.0110	---	---	30
31	---		---		0.212*		0	0		0.0138		---	31
TOTAL	---	---	---	---	5.25	9.21	0	0	0	0.716	---	---	TOTAL
MEAN	---	---	---	---	0.169	0.307	0	0	0	0.0231	---	---	MEAN
ST.D.	---	---	---	---	0.672	1.25	0	0	0	0.0730	---	---	ST.D.
MAX	---	---	---	---	3.75	6.83	0	0	0	0.370	---	---	MAX
MIN	---	---	---	---	0.0003	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 15.2

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.5707 B1= 1.3060 A2= 0.0000 B2= 0.0000 R^2= 0.8627 N= 19.

Watershed: Essex Control

Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0013	0.682*	0	0	0	0	---	---	1
2	---	---	---	---	0.0009	0.0860	0	0	0	0	---	---	2
3	---	---	---	---	0.0003	0.0249*	0	0	0	0	---	---	3
4	---	---	---	---	0.0001	0.0044	0	0	0	0	---	---	4
5	---	---	---	---	0.0011	0.0020	0	0	0	0	---	---	5
6	---	---	---	---	0.0092	0.0011	0	0	0	0	---	---	6
7	---	---	---	---	0.0016	0.0008	0	0	0	0	---	---	7
8	---	---	---	---	0.0007	0.0008	0	0	0	0	---	---	8
9	---	---	---	---	0.0007	0.0010	0	0	0	0	---	---	9
10	---	---	---	---	0.0008	0.0010	0	0	0	0	---	---	10
11	---	---	---	---	0.0011	0.0015	0	0	0	0	---	---	11
12	---	---	---	---	0.0022	0.0012	0	0	0	0	---	---	12
13	---	---	---	---	0.0058	0.0009*	0	0	0	0	---	---	13
14	---	---	---	---	0.0055	0.0005	0	0	0	0	---	---	14
15	---	---	---	---	0.0025	0.0149	0	0	0	0	---	---	15
16	---	---	---	---	0.0013	0.123	0	0	0	0	---	---	16
17	---	---	---	---	0.0033	0.0047	0	0	0	0	---	---	17
18	---	---	---	---	0.0021	0.0020	0	0	0	0	---	---	18
19	---	---	---	---	0.0006	0.0011	0	0	0	0	---	---	19
20	---	---	---	---	0.0001	0.0009	0	0	0	0	---	---	20
21	---	---	---	---	0.0002	0.0009	0	0	0	0	---	---	21
22	---	---	---	---	0.0008	0.0007	0	0	0	0	---	---	22
23	---	---	---	---	0.0013*	0.0006	0	0	0	0	---	---	23
24	---	---	---	---	0.0039	0.0002	0	0	0	0.0017*	---	---	24
25	---	---	---	---	0.0168	0.0001	0	0	0	0.0109*	---	---	25
26	---	---	---	---	0.387*	0	0	0	0	0.0435*	---	---	26
27	---	---	---	---	0.0612*	0	0	0	0	0.0215	---	---	27
28	---	---	---	---	0.0129	0	0	0	0	0.0046*	---	---	28
29	---		---	---	0.0085*	0	0	0	0	0.0021	---	---	29
30	---		---	---	0.0142	0	0	0	0	0.0016	---	---	30
31	---		---		0.0257*		0	0		0.0020		---	31
TOTAL	---	---	---	---	0.574	0.957	0	0	0	0.0878	---	---	TOTAL
MEAN	---	---	---	---	0.0185	0.0319	0	0	0	0.0028	---	---	MEAN
ST.D.	---	---	---	---	0.0694	0.126	0	0	0	0.0087	---	---	ST.D.
MAX	---	---	---	---	0.387	0.682	0	0	0	0.0435	---	---	MAX
MIN	---	---	---	---	0.0001	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 1.62

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0510 B1= 1.2323 A2= 0.0000 B2= 0.0000 R^2= 0.6089 N= 20.

TOTAL DAILY DISCHARGE FOR 1991 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.207	0.510	1
2	---	---	---	---	---	---	---	---	---	---	0.346	0.302	2
3	---	---	---	---	---	---	---	---	---	---	0.173	5.58	3
4	---	---	---	---	---	---	---	---	---	---	0.112	2.45	4
5	---	---	---	---	---	---	---	---	---	---	0.0950	0.518	5
6	---	---	---	---	---	---	---	---	---	---	0.0864	0.397	6
7	---	---	---	---	---	---	---	---	---	---	0.0778	3.16	7
8	---	---	---	---	---	---	---	---	---	---	0.0778	4.15	8
9	---	---	---	---	---	---	---	---	---	---	0.0691	2.05	9
10	---	---	---	---	---	---	---	---	---	---	0.0778	0.683	10
11	---	---	---	---	---	---	---	---	---	---	0.0864	0.449	11
12	---	---	---	---	---	---	---	---	---	---	0.0778	0.423	12
13	---	---	---	---	---	---	---	---	---	---	0.0864	1.14	13
14	---	---	---	---	---	---	---	---	---	---	0.0778	0.795	14
15	---	---	---	---	---	---	---	---	---	---	0.112	0.406	15
16	---	---	---	---	---	---	---	---	---	---	0.0950	0.294	16
17	---	---	---	---	---	---	---	---	---	---	0.104	0.320	17
18	---	---	---	---	---	---	---	---	---	---	0.130	0.285	18
19	---	---	---	---	---	---	---	---	---	---	0.432	0.173	19
20	---	---	---	---	---	---	---	---	---	---	4.91	0.130	20
21	---	---	---	---	---	---	---	---	---	---	4.78	0.181	21
22	---	---	---	---	---	---	---	---	---	---	0.881	0.225	22
23	---	---	---	---	---	---	---	---	---	---	0.337	0.320	23
24	---	---	---	---	---	---	---	---	---	---	0.441	0.389	24
25	---	---	---	---	---	---	---	---	---	---	0.233	0.276	25
26	---	---	---	---	---	---	---	---	---	---	0.156	0.199	26
27	---	---	---	---	---	---	---	---	---	---	0.138	0.199	27
28	---	---	---	---	---	---	---	---	---	---	0.138	0.199	28
29	---		---	---	---	---	---	---	---	---	1.02	1.89	29
30	---		---	---	---	---	---	---	---	---	1.59	5.74	30
31	---		---		---		---	---		---		2.71	31
TOTAL	---	---	---	---	---	---	---	---	---	---	17.1	36.5	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.571	1.18	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	1.21	1.57	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	4.91	5.74	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0691	0.130	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 53.7
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control

Area: 281. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0018	0.0082	1
2	---	---	---	---	---	---	---	---	---	---	0.0043	0.0034	2
3	---	---	---	---	---	---	---	---	---	---	0.0014	0.436	3
4	---	---	---	---	---	---	---	---	---	---	0.0007	0.111	4
5	---	---	---	---	---	---	---	---	---	---	0.0005	0.0084	5
6	---	---	---	---	---	---	---	---	---	---	0.0004	0.0054	6
7	---	---	---	---	---	---	---	---	---	---	0.0004	0.170	7
8	---	---	---	---	---	---	---	---	---	---	0.0004	0.266	8
9	---	---	---	---	---	---	---	---	---	---	0.0003	0.0825*	9
10	---	---	---	---	---	---	---	---	---	---	0.0004	0.0133	10
11	---	---	---	---	---	---	---	---	---	---	0.0004	0.0067	11
12	---	---	---	---	---	---	---	---	---	---	0.0004	0.0060	12
13	---	---	---	---	---	---	---	---	---	---	0.0004	0.0312	13
14	---	---	---	---	---	---	---	---	---	---	0.0004	0.0172	14
15	---	---	---	---	---	---	---	---	---	---	0.0007	0.0056	15
16	---	---	---	---	---	---	---	---	---	---	0.0005	0.0033	16
17	---	---	---	---	---	---	---	---	---	---	0.0006	0.0038	17
18	---	---	---	---	---	---	---	---	---	---	0.0008*	0.0031	18
19	---	---	---	---	---	---	---	---	---	---	0.0062*	0.0014	19
20	---	---	---	---	---	---	---	---	---	---	0.352*	0.0008	20
21	---	---	---	---	---	---	---	---	---	---	0.337*	0.0015	21
22	---	---	---	---	---	---	---	---	---	---	0.0204*	0.0021	22
23	---	---	---	---	---	---	---	---	---	---	0.0041	0.0038	23
24	---	---	---	---	---	---	---	---	---	---	0.0064	0.0052	24
25	---	---	---	---	---	---	---	---	---	---	0.0022*	0.0030	25
26	---	---	---	---	---	---	---	---	---	---	0.0011	0.0017	26
27	---	---	---	---	---	---	---	---	---	---	0.0009	0.0017	27
28	---	---	---	---	---	---	---	---	---	---	0.0009	0.0017	28
29	---		---	---	---	---	---	---	---	---	0.0259*	0.0724	29
30	---		---	---	---	---	---	---	---	---	0.0542	0.457	30
31	---		---		---		---	---		---		0.132	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.826	1.86	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0275	0.0602	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0869	0.120	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.352	0.457	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0003	0.0008	MIN

TOTAL LOAD FOR YEAR, 2.69

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 476.8498 B1= 1.6602 A2= 0.0000 B2= 0.0000 R^2= 0.8785 N= 13.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0103	0.0410	1
2	---	---	---	---	---	---	---	---	---	---	0.0225	0.0184	2
3	---	---	---	---	---	---	---	---	---	---	0.0078	1.62	3
4	---	---	---	---	---	---	---	---	---	---	0.0040	0.456	4
5	---	---	---	---	---	---	---	---	---	---	0.0031	0.0420	5
6	---	---	---	---	---	---	---	---	---	---	0.0027	0.0279	6
7	---	---	---	---	---	---	---	---	---	---	0.0023	0.676	7
8	---	---	---	---	---	---	---	---	---	---	0.0023	1.03	8
9	---	---	---	---	---	---	---	---	---	---	0.0019	0.347*	9
10	---	---	---	---	---	---	---	---	---	---	0.0023	0.0641	10
11	---	---	---	---	---	---	---	---	---	---	0.0027	0.0337	11
12	---	---	---	---	---	---	---	---	---	---	0.0023	0.0308	12
13	---	---	---	---	---	---	---	---	---	---	0.0027	0.141	13
14	---	---	---	---	---	---	---	---	---	---	0.0023	0.0811	14
15	---	---	---	---	---	---	---	---	---	---	0.0040	0.0289	15
16	---	---	---	---	---	---	---	---	---	---	0.0031	0.0176	16
17	---	---	---	---	---	---	---	---	---	---	0.0035	0.0200	17
18	---	---	---	---	---	---	---	---	---	---	0.0050*	0.0168	18
19	---	---	---	---	---	---	---	---	---	---	0.0318*	0.0078	19
20	---	---	---	---	---	---	---	---	---	---	1.33*	0.0050	20
21	---	---	---	---	---	---	---	---	---	---	1.28*	0.0084	21
22	---	---	---	---	---	---	---	---	---	---	0.0950*	0.0116	22
23	---	---	---	---	---	---	---	---	---	---	0.0217	0.0200	23
24	---	---	---	---	---	---	---	---	---	---	0.0327	0.0270	24
25	---	---	---	---	---	---	---	---	---	---	0.0123*	0.0160	25
26	---	---	---	---	---	---	---	---	---	---	0.0066	0.0096	26
27	---	---	---	---	---	---	---	---	---	---	0.0055	0.0096	27
28	---	---	---	---	---	---	---	---	---	---	0.0055	0.0096	28
29	---		---	---	---	---	---	---	---	---	0.119*	0.307	29
30	---		---	---	---	---	---	---	---	---	0.235	1.69	30
31	---		---		---		---	---		---		0.534	31
TOTAL	---	---	---	---	---	---	---	---	---	---	3.25	7.34	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.108	0.237	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.328	0.447	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.33	1.69	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0019	0.0050	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 10.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.2610 B1= 1.5364 A2= 0.0000 B2= 0.0000 R^2= 0.9158 N= 13.

Watershed: Essex Control Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0016	0.0051	1
2	---	---	---	---	---	---	---	---	---	---	0.0031	0.0026	2
3	---	---	---	---	---	---	---	---	---	---	0.0012	0.118	3
4	---	---	---	---	---	---	---	---	---	---	0.0007	0.0398	4
5	---	---	---	---	---	---	---	---	---	---	0.0006	0.0052	5
6	---	---	---	---	---	---	---	---	---	---	0.0005	0.0037	6
7	---	---	---	---	---	---	---	---	---	---	0.0004	0.0558	7
8	---	---	---	---	---	---	---	---	---	---	0.0004	0.0796	8
9	---	---	---	---	---	---	---	---	---	---	0.0004	0.0316*	9
10	---	---	---	---	---	---	---	---	---	---	0.0004	0.0075	10
11	---	---	---	---	---	---	---	---	---	---	0.0005	0.0043	11
12	---	---	---	---	---	---	---	---	---	---	0.0004	0.0040	12
13	---	---	---	---	---	---	---	---	---	---	0.0005	0.0147	13
14	---	---	---	---	---	---	---	---	---	---	0.0004	0.0091	14
15	---	---	---	---	---	---	---	---	---	---	0.0007	0.0038	15
16	---	---	---	---	---	---	---	---	---	---	0.0006	0.0025	16
17	---	---	---	---	---	---	---	---	---	---	0.0006	0.0028	17
18	---	---	---	---	---	---	---	---	---	---	0.0008*	0.0024	18
19	---	---	---	---	---	---	---	---	---	---	0.0041*	0.0012	19
20	---	---	---	---	---	---	---	---	---	---	0.0993*	0.0008	20
21	---	---	---	---	---	---	---	---	---	---	0.0959*	0.0013	21
22	---	---	---	---	---	---	---	---	---	---	0.0105*	0.0017	22
23	---	---	---	---	---	---	---	---	---	---	0.0030	0.0028	23
24	---	---	---	---	---	---	---	---	---	---	0.0042	0.0036	24
25	---	---	---	---	---	---	---	---	---	---	0.0018*	0.0023	25
26	---	---	---	---	---	---	---	---	---	---	0.0011	0.0015	26
27	---	---	---	---	---	---	---	---	---	---	0.0009	0.0015	27
28	---	---	---	---	---	---	---	---	---	---	0.0009	0.0015	28
29	---		---	---	---	---	---	---	---	---	0.0127*	0.0285	29
30	---		---	---	---	---	---	---	---	---	0.0227	0.122	30
31	---		---		---		---	---		---		0.0457	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.271	0.606	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0090	0.0196	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0245	0.0328	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0993	0.122	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0004	0.0008	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.877

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0494 B1= 1.3112 A2= 0.0000 B2= 0.0000 R^2= 0.6594 N= 13.

TOTAL DAILY DISCHARGE FOR 1992 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.01	0.806	1.94	---	---	---	---	---	---	---	---	---	1
2	1.09	0.608	1.65	---	---	---	---	---	---	---	---	---	2
3	5.93	0.565	1.24	---	---	---	---	---	---	---	---	---	3
4	3.46	0.569	1.17	---	---	---	---	---	---	---	---	---	4
5	1.82	0.371	1.06	---	---	---	---	---	---	---	---	---	5
6	1.20	0.425	1.04	---	---	---	---	---	---	---	---	---	6
7	0.727	0.526	18.7	---	---	---	---	---	---	---	---	---	7
8	0.436	0.389	8.65	---	---	---	---	---	---	---	---	---	8
9	0.691	0.270	3.75	---	---	---	---	---	---	---	---	---	9
10	0.410	0.198	22.2	---	---	---	---	---	---	---	---	---	10
11	0.324	0.173	5.26	---	---	---	---	---	---	---	---	---	11
12	0.270	0.173	2.44	---	---	---	---	---	---	---	---	---	12
13	0.873	0.173	1.64	---	---	---	---	---	---	---	---	---	13
14	4.41	0.173	1.30	---	---	---	---	---	---	---	---	---	14
15	1.81	11.7	0.792	---	---	---	---	---	---	---	---	---	15
16	1.04	27.2	0.580	---	---	---	---	---	---	---	---	---	16
17	0.691	22.9	1.24	---	---	---	---	---	---	---	---	---	17
18	0.432	19.4	1.07	---	---	---	---	---	---	---	---	---	18
19	0.346	57.5	0.972	---	---	---	---	---	---	---	---	---	19
20	0.259	24.4	0.605	---	---	---	---	---	---	---	---	---	20
21	0.259	12.2	0.382	---	---	---	---	---	---	---	---	---	21
22	0.259	8.55	0.216	---	---	---	---	---	---	---	---	---	22
23	2.76	8.43	0.605	---	---	---	---	---	---	---	---	---	23
24	5.62	5.46	1.06	---	---	---	---	---	---	---	---	---	24
25	3.54	5.10	9.61	---	---	---	---	---	---	---	---	---	25
26	1.81	4.14	14.8	---	---	---	---	---	---	---	---	---	26
27	1.21	2.90	28.6	---	---	---	---	---	---	---	---	---	27
28	1.04	3.61	6.35	---	---	---	---	---	---	---	---	---	28
29	1.16	2.94	3.13	---	---	---	---	---	---	---	---	---	29
30	0.994		3.42	---	---	---	---	---	---	---	---	---	30
31	0.968		2.99		---		---	---		---		---	31
TOTAL	46.8	221	148	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.51	7.65	4.79	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.54	12.5	7.02	---	---	---	---	---	---	---	---	---	ST.D.
MAX	5.93	57.5	28.6	---	---	---	---	---	---	---	---	---	MAX
MIN	0.259	0.173	0.216	---	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 416
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control Area: 281. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0387	0.0274	0.108	---	---	---	---	---	---	---	---	---	1
2	0.0467	0.0176	0.0821	---	---	---	---	---	---	---	---	---	2
3	0.599	0.0157	0.0529	---	---	---	---	---	---	---	---	---	3
4	0.264	0.0159	0.0483	---	---	---	---	---	---	---	---	---	4
5	0.0960	0.0082	0.0415	---	---	---	---	---	---	---	---	---	5
6	0.0501	0.0102	0.0413*	---	---	---	---	---	---	---	---	---	6
7	0.0238	0.0141	4.01*	---	---	---	---	---	---	---	---	---	7
8	0.0105	0.0089	1.08*	---	---	---	---	---	---	---	---	---	8
9	0.0218*	0.0050	0.293*	---	---	---	---	---	---	---	---	---	9
10	0.0097	0.0032	6.03*	---	---	---	---	---	---	---	---	---	10
11	0.0067	0.0025	0.507*	---	---	---	---	---	---	---	---	---	11
12	0.0050	0.0025	0.151*	---	---	---	---	---	---	---	---	---	12
13	0.0307	0.0025	0.0815	---	---	---	---	---	---	---	---	---	13
14	0.372	0.0025*	0.0573	---	---	---	---	---	---	---	---	---	14
15	0.0948	1.67	0.0268	---	---	---	---	---	---	---	---	---	15
16	0.0400	6.16	0.0168	---	---	---	---	---	---	---	---	---	16
17	0.0214	4.72	0.0545	---	---	---	---	---	---	---	---	---	17
18	0.0104	3.67*	0.0421	---	---	---	---	---	---	---	---	---	18
19	0.0074	19.5*	0.0375	---	---	---	---	---	---	---	---	---	19
20	0.0047	5.19	0.0175	---	---	---	---	---	---	---	---	---	20
21	0.0047	1.78*	0.0087	---	---	---	---	---	---	---	---	---	21
22	0.0047	1.04	0.0041	---	---	---	---	---	---	---	---	---	22
23	0.181	1.02	0.0187	---	---	---	---	---	---	---	---	---	23
24	0.541	0.524*	0.0517	---	---	---	---	---	---	---	---	---	24
25	0.266	0.471	1.61*	---	---	---	---	---	---	---	---	---	25
26	0.0948	0.341	2.44*	---	---	---	---	---	---	---	---	---	26
27	0.0507	0.196	7.76*	---	---	---	---	---	---	---	---	---	27
28	0.0400	0.297	0.683*	---	---	---	---	---	---	---	---	---	28
29	0.0477	0.199	0.220*	---	---	---	---	---	---	---	---	---	29
30	0.0375		0.253*	---	---	---	---	---	---	---	---	---	30
31	0.0360		0.205		---		---	---		---		---	31
TOTAL	3.06	46.9	26.0	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0986	1.62	0.840	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.154	3.84	1.84	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.599	19.5	7.76	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0047	0.0025	0.0041	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 76.0

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 422.9226 B1= 1.5414 A2= 0.0000 B2= 0.0000 R^2= 0.8959 N= 31.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.134	0.0936	0.386	---	---	---	---	---	---	---	---	---	1
2	0.163	0.0593	0.290	---	---	---	---	---	---	---	---	---	2
3	2.24	0.0529	0.184	---	---	---	---	---	---	---	---	---	3
4	0.963	0.0535	0.168	---	---	---	---	---	---	---	---	---	4
5	0.340	0.0272	0.144	---	---	---	---	---	---	---	---	---	5
6	0.174	0.0341	0.143*	---	---	---	---	---	---	---	---	---	6
7	0.0811	0.0473	15.9*	---	---	---	---	---	---	---	---	---	7
8	0.0350	0.0293	4.12*	---	---	---	---	---	---	---	---	---	8
9	0.0740*	0.0165	1.07*	---	---	---	---	---	---	---	---	---	9
10	0.0321	0.0102	24.5*	---	---	---	---	---	---	---	---	---	10
11	0.0220	0.0081	1.89*	---	---	---	---	---	---	---	---	---	11
12	0.0165	0.0081	0.542*	---	---	---	---	---	---	---	---	---	12
13	0.105	0.0081	0.287	---	---	---	---	---	---	---	---	---	13
14	1.37	0.0081*	0.200	---	---	---	---	---	---	---	---	---	14
15	0.335	6.40	0.0915	---	---	---	---	---	---	---	---	---	15
16	0.138	24.5	0.0566	---	---	---	---	---	---	---	---	---	16
17	0.0726	18.6	0.190	---	---	---	---	---	---	---	---	---	17
18	0.0345	14.4*	0.146	---	---	---	---	---	---	---	---	---	18
19	0.0242	80.1*	0.130	---	---	---	---	---	---	---	---	---	19
20	0.0153	20.6	0.0589	---	---	---	---	---	---	---	---	---	20
21	0.0153	6.85*	0.0288	---	---	---	---	---	---	---	---	---	21
22	0.0153	3.95	0.0133	---	---	---	---	---	---	---	---	---	22
23	0.653	3.84	0.0637	---	---	---	---	---	---	---	---	---	23
24	2.01	1.95*	0.183	---	---	---	---	---	---	---	---	---	24
25	0.968	1.74	6.30*	---	---	---	---	---	---	---	---	---	25
26	0.335	1.25	9.46*	---	---	---	---	---	---	---	---	---	26
27	0.176	0.706	31.4*	---	---	---	---	---	---	---	---	---	27
28	0.138	1.09	2.56*	---	---	---	---	---	---	---	---	---	28
29	0.166	0.719	0.798*	---	---	---	---	---	---	---	---	---	29
30	0.129		0.922*	---	---	---	---	---	---	---	---	---	30
31	0.124		0.742		---		---	---		---		---	31
TOTAL	11.1	187	103	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.358	6.45	3.32	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.572	15.7	7.44	---	---	---	---	---	---	---	---	---	ST.D.
MAX	2.24	80.1	31.4	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0153	0.0081	0.0133	---	---	---	---	---	---	---	---	---	MIN

E: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 301

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.7686 B1= 1.5848 A2= 0.0000 B2= 0.0000 R^2= 0.9286 N= 31.

Watershed: Essex Control Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0080	0.0057	0.0212	---	---	---	---	---	---	---	---	---	1
2	0.0094	0.0038	0.0163	---	---	---	---	---	---	---	---	---	2
3	0.108	0.0034	0.0107	---	---	---	---	---	---	---	---	---	3
4	0.0492	0.0034	0.0098	---	---	---	---	---	---	---	---	---	4
5	0.0189	0.0018	0.0085	---	---	---	---	---	---	---	---	---	5
6	0.0102	0.0022	0.0084*	---	---	---	---	---	---	---	---	---	6
7	0.0050	0.0030	0.646*	---	---	---	---	---	---	---	---	---	7
8	0.0023	0.0020	0.189*	---	---	---	---	---	---	---	---	---	8
9	0.0046*	0.0011	0.0546*	---	---	---	---	---	---	---	---	---	9
10	0.0021	0.0007	0.937*	---	---	---	---	---	---	---	---	---	10
11	0.0015	0.0006	0.0917*	---	---	---	---	---	---	---	---	---	11
12	0.0011	0.0006	0.0291*	---	---	---	---	---	---	---	---	---	12
13	0.0064	0.0006	0.0162	---	---	---	---	---	---	---	---	---	13
14	0.0686	0.0006*	0.0116	---	---	---	---	---	---	---	---	---	14
15	0.0187	0.286	0.0056	---	---	---	---	---	---	---	---	---	15
16	0.0082	0.989	0.0036	---	---	---	---	---	---	---	---	---	16
17	0.0045	0.768	0.0110	---	---	---	---	---	---	---	---	---	17
18	0.0023	0.604*	0.0086	---	---	---	---	---	---	---	---	---	18
19	0.0016	2.96*	0.0077	---	---	---	---	---	---	---	---	---	19
20	0.0011	0.841	0.0037	---	---	---	---	---	---	---	---	---	20
21	0.0011	0.304*	0.0019	---	---	---	---	---	---	---	---	---	21
22	0.0011	0.182	0.0009	---	---	---	---	---	---	---	---	---	22
23	0.0346	0.178	0.0040	---	---	---	---	---	---	---	---	---	23
24	0.0978	0.0949*	0.0102	---	---	---	---	---	---	---	---	---	24
25	0.0498	0.0856	0.268*	---	---	---	---	---	---	---	---	---	25
26	0.0187	0.0630	0.409*	---	---	---	---	---	---	---	---	---	26
27	0.0103	0.0372	1.21*	---	---	---	---	---	---	---	---	---	27
28	0.0082	0.0547	0.121*	---	---	---	---	---	---	---	---	---	28
29	0.0097	0.0378	0.0416*	---	---	---	---	---	---	---	---	---	29
30	0.0077		0.0475*	---	---	---	---	---	---	---	---	---	30
31	0.0074		0.0389		---		---	---		---		---	31
TOTAL	0.578	7.51	4.24	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0186	0.259	0.137	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0277	0.589	0.288	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.108	2.96	1.21	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0011	0.0006	0.0009	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 12.2

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0622 B1= 1.4658 A2= 0.0000 B2= 0.0000 R^2= 0.8393 N= 31.

TOTAL DAILY DISCHARGE FOR 1992 Essex Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	7.30	1.72	0.0324	---	---	---	---	---	---	1
2	---	---	---	3.48	1.59	0	---	---	---	---	---	---	2
3	---	---	---	2.12	0.965	0	---	---	---	---	---	---	3
4	---	---	---	1.66	0.576	0.0180	---	---	---	---	---	---	4
5	---	---	---	0.965	0.443	0.0864	---	---	---	---	---	---	5
6	---	---	---	0.810	0.284	0.0468	---	---	---	---	---	---	6
7	---	---	---	0.922	0.184	0.0648	---	---	---	---	---	---	7
8	---	---	---	0.745	0.180	0.0468	---	---	---	---	---	---	8
9	---	---	---	0.482	0.209	0	---	---	---	---	---	---	9
10	---	---	---	0.421	0.126	0	---	---	---	---	---	---	10
11	---	---	---	0.551	0.0864	0.0432	---	---	---	---	---	---	11
12	---	---	---	0.317	0.0864	0.0864	---	---	---	---	---	---	12
13	---	---	---	0.180	0.0864	0.0864	---	---	---	---	---	---	13
14	---	---	---	0.209	0.0864	0.0864	---	---	---	---	---	---	14
15	---	---	---	0.238	0.0864	0.0864	---	---	---	---	---	---	15
16	---	---	---	0.810	0.0504	0.0864	---	---	---	---	---	---	16
17	---	---	---	2.41	0.0324	0.0396	---	---	---	---	---	---	17
18	---	---	---	5.43	0.0324	2.25	---	---	---	---	---	---	18
19	---	---	---	3.75	0	0.655	---	---	---	---	---	---	19
20	---	---	---	2.51	0	0.252	---	---	---	---	---	---	20
21	---	---	---	19.1	0	0.133	---	---	---	---	---	---	21
22	---	---	---	7.65	0	0.0864	---	---	---	---	---	---	22
23	---	---	---	5.96	1.28	0.0936	---	---	---	---	---	---	23
24	---	---	---	24.1	2.80	0.158	---	---	---	---	---	---	24
25	---	---	---	12.0	0.468	0.0864	---	---	---	---	---	---	25
26	---	---	---	6.33	0.194	0.0864	---	---	---	---	---	---	26
27	---	---	---	2.97	0.112	0.0864	---	---	---	---	---	---	27
28	---	---	---	1.76	0.0864	0.0864	---	---	---	---	---	---	28
29	---	---	---	1.45	0.0360	0.0612	---	---	---	---	---	---	29
30	---		---	1.86	0.0864	0	---	---	---	---	---	---	30
31	---		---		0.0864		---	---		---		---	31
TOTAL	---	---	---	118	12.0	4.84	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	3.95	0.386	0.161	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	5.59	0.641	0.411	---	---	---	---	---	---	ST.D.
MAX	---	---	---	24.1	2.80	2.25	---	---	---	---	---	---	MAX
MIN	---	---	---	0.180	0	0	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 135
DRAINAGE AREA (hectares), 281.0

Watershed: Essex Control

Area: 281. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.03	0.107	0.0004	---	---	---	---	---	---	1
2	---	---	---	0.332	0.0938	0.0000*	---	---	---	---	---	---	2
3	---	---	---	0.148	0.0441	0	---	---	---	---	---	---	3
4	---	---	---	0.100	0.0192	0.0002	---	---	---	---	---	---	4
5	---	---	---	0.0435	0.0128	0.0010	---	---	---	---	---	---	5
6	---	---	---	0.0327	0.0064	0.0005	---	---	---	---	---	---	6
7	---	---	---	0.0400*	0.0032	0.0007	---	---	---	---	---	---	7
8	---	---	---	0.0292	0.0031	0.0005	---	---	---	---	---	---	8
9	---	---	---	0.0146	0.0040	0	---	---	---	---	---	---	9
10	---	---	---	0.0118	0.0019	0	---	---	---	---	---	---	10
11	---	---	---	0.0179	0.0010	0.0005	---	---	---	---	---	---	11
12	---	---	---	0.0077	0.0010	0.0010	---	---	---	---	---	---	12
13	---	---	---	0.0031	0.0010	0.0010	---	---	---	---	---	---	13
14	---	---	---	0.0040	0.0010	0.0010	---	---	---	---	---	---	14
15	---	---	---	0.0048	0.0010	0.0010	---	---	---	---	---	---	15
16	---	---	---	0.0469*	0.0006	0.0010	---	---	---	---	---	---	16
17	---	---	---	0.184	0.0004	0.0005	---	---	---	---	---	---	17
18	---	---	---	0.713*	0.0004	0.177	---	---	---	---	---	---	18
19	---	---	---	0.368	0	0.0248	---	---	---	---	---	---	19
20	---	---	---	0.192*	0	0.0054	---	---	---	---	---	---	20
21	---	---	---	6.43	0	0.0020	---	---	---	---	---	---	21
22	---	---	---	1.15	0	0.0010	---	---	---	---	---	---	22
23	---	---	---	0.945*	0.141	0.0011	---	---	---	---	---	---	23
24	---	---	---	7.21*	0.254	0.0026	---	---	---	---	---	---	24
25	---	---	---	2.22*	0.0149	0.0010	---	---	---	---	---	---	25
26	---	---	---	0.843	0.0036	0.0010	---	---	---	---	---	---	26
27	---	---	---	0.254*	0.0015	0.0010	---	---	---	---	---	---	27
28	---	---	---	0.111	0.0010	0.0010	---	---	---	---	---	---	28
29	---	---	---	0.0811	0.0004	0.0007	---	---	---	---	---	---	29
30	---		---	0.121	0.0010	0	---	---	---	---	---	---	30
31	---		---		0.0010		---	---		---		---	31
TOTAL	---	---	---	22.7	0.719	0.228	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.756	0.0232	0.0076	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	1.72	0.0549	0.0323	---	---	---	---	---	---	ST.D.
MAX	---	---	---	7.21	0.254	0.177	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0031	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 23.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 563.9627 B1= 1.5651 A2= 0.0000 B2= 0.0000 R^2= 0.9192 N= 17.

Watershed: Essex Control Area: 281. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.94	0.474	0.0022	---	---	---	---	---	---	1
2	---	---	---	1.36	0.420	0.0001*	---	---	---	---	---	---	2
3	---	---	---	0.644	0.207	0	---	---	---	---	---	---	3
4	---	---	---	0.447	0.0955	0.0012	---	---	---	---	---	---	4
5	---	---	---	0.205	0.0653	0.0060	---	---	---	---	---	---	5
6	---	---	---	0.157	0.0342	0.0032	---	---	---	---	---	---	6
7	---	---	---	0.190*	0.0181	0.0045	---	---	---	---	---	---	7
8	---	---	---	0.141	0.0175	0.0032	---	---	---	---	---	---	8
9	---	---	---	0.0737	0.0219	0	---	---	---	---	---	---	9
10	---	---	---	0.0608	0.0107	0	---	---	---	---	---	---	10
11	---	---	---	0.0896	0.0060	0.0030	---	---	---	---	---	---	11
12	---	---	---	0.0404	0.0060	0.0060	---	---	---	---	---	---	12
13	---	---	---	0.0175	0.0060	0.0060	---	---	---	---	---	---	13
14	---	---	---	0.0219	0.0060	0.0060	---	---	---	---	---	---	14
15	---	---	---	0.0263	0.0060	0.0060	---	---	---	---	---	---	15
16	---	---	---	0.208*	0.0035	0.0060	---	---	---	---	---	---	16
17	---	---	---	0.786	0.0022	0.0027	---	---	---	---	---	---	17
18	---	---	---	2.75*	0.0022	0.750	---	---	---	---	---	---	18
19	---	---	---	1.50	0	0.120	---	---	---	---	---	---	19
20	---	---	---	0.823*	0	0.0290	---	---	---	---	---	---	20
21	---	---	---	20.8	0	0.0116	---	---	---	---	---	---	21
22	---	---	---	4.34	0	0.0060	---	---	---	---	---	---	22
23	---	---	---	3.50*	0.560	0.0068	---	---	---	---	---	---	23
24	---	---	---	23.9*	1.05	0.0147	---	---	---	---	---	---	24
25	---	---	---	8.09*	0.0745	0.0060	---	---	---	---	---	---	25
26	---	---	---	3.25	0.0199	0.0060	---	---	---	---	---	---	26
27	---	---	---	1.06*	0.0090	0.0060	---	---	---	---	---	---	27
28	---	---	---	0.491	0.0060	0.0060	---	---	---	---	---	---	28
29	---	---	---	0.367	0.0025	0.0042	---	---	---	---	---	---	29
30	---		---	0.532	0.0060	0	---	---	---	---	---	---	30
31	---		---		0.0060		---	---		---		---	31
TOTAL	---	---	---	79.8	3.13	1.02	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	2.66	0.101	0.0341	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	5.66	0.228	0.137	---	---	---	---	---	---	ST.D.
MAX	---	---	---	23.9	1.05	0.750	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0175	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 83.9

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.6748 B1= 1.4619 A2= 0.0000 B2= 0.0000 R^2= 0.9034 N= 17.

Watershed: Essex Control

Area: 281. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.133	0.0114	0.0000	---	---	---	---	---	---	1
2	---	---	---	0.0392	0.0099	0 *	---	---	---	---	---	---	2
3	---	---	---	0.0162	0.0044	0	---	---	---	---	---	---	3
4	---	---	---	0.0106	0.0018	0.0000	---	---	---	---	---	---	4
5	---	---	---	0.0043	0.0011	0.0001	---	---	---	---	---	---	5
6	---	---	---	0.0032	0.0005	0.0000	---	---	---	---	---	---	6
7	---	---	---	0.0039*	0.0003	0.0001	---	---	---	---	---	---	7
8	---	---	---	0.0028	0.0002	0.0000	---	---	---	---	---	---	8
9	---	---	---	0.0013	0.0003	0	---	---	---	---	---	---	9
10	---	---	---	0.0011	0.0001	0	---	---	---	---	---	---	10
11	---	---	---	0.0016	0.0001	0.0000	---	---	---	---	---	---	11
12	---	---	---	0.0007	0.0001	0.0001	---	---	---	---	---	---	12
13	---	---	---	0.0002	0.0001	0.0001	---	---	---	---	---	---	13
14	---	---	---	0.0003	0.0001	0.0001	---	---	---	---	---	---	14
15	---	---	---	0.0004	0.0001	0.0001	---	---	---	---	---	---	15
16	---	---	---	0.0051*	0.0000	0.0001	---	---	---	---	---	---	16
17	---	---	---	0.0207	0.0000	0.0000	---	---	---	---	---	---	17
18	---	---	---	0.0911*	0.0000	0.0201	---	---	---	---	---	---	18
19	---	---	---	0.0438	0	0.0024	---	---	---	---	---	---	19
20	---	---	---	0.0216*	0	0.0005	---	---	---	---	---	---	20
21	---	---	---	1.03	0	0.0002	---	---	---	---	---	---	21
22	---	---	---	0.152	0	0.0001	---	---	---	---	---	---	22
23	---	---	---	0.128*	0.0172	0.0001	---	---	---	---	---	---	23
24	---	---	---	1.12*	0.0299	0.0002	---	---	---	---	---	---	24
25	---	---	---	0.305*	0.0014	0.0001	---	---	---	---	---	---	25
26	---	---	---	0.108	0.0003	0.0001	---	---	---	---	---	---	26
27	---	---	---	0.0292*	0.0001	0.0001	---	---	---	---	---	---	27
28	---	---	---	0.0119	0.0001	0.0001	---	---	---	---	---	---	28
29	---	---	---	0.0085	0.0000	0.0001	---	---	---	---	---	---	29
30	---		---	0.0130	0.0001	0	---	---	---	---	---	---	30
31	---		---		0.0001		---	---		---		---	31
TOTAL	---	---	---	3.30	0.0797	0.0244	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.110	0.0026	0.0008	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	0.270	0.0064	0.0037	---	---	---	---	---	---	ST.D.
MAX	---	---	---	1.12	0.0299	0.0201	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0002	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 3.41

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1000 B1= 1.6952 A2= 0.0000 B2= 0.0000 R^2= 0.9264 N= 17.

KETTLE CREEK TEST WATER QUALITY LOADS

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.130*	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0464*	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0431	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0298	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0119	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0099	6
7	---	---	---	---	---	---	---	---	---	---	0	0.687*	7
8	---	---	---	---	---	---	---	---	---	---	0	2.71*	8
9	---	---	---	---	---	---	---	---	---	---	0	1.47*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.367*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.159	11
12	---	---	---	---	---	---	---	---	---	---	0	0.139	12
13	---	---	---	---	---	---	---	---	---	---	0	0.349	13
14	---	---	---	---	---	---	---	---	---	---	0	0.208	14
15	---	---	---	---	---	---	---	---	---	---	0	0.0962	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0447*	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0345	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0204	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0089	19
20	---	---	---	---	---	---	---	---	---	---	0.325*	0.0119	20
21	---	---	---	---	---	---	---	---	---	---	0.259*	0.0184	21
22	---	---	---	---	---	---	---	---	---	---	0.0282*	0.0184	22
23	---	---	---	---	---	---	---	---	---	---	0.0104	0.0194	23
24	---	---	---	---	---	---	---	---	---	---	0.0128	0.0169	24
25	---	---	---	---	---	---	---	---	---	---	0.0037*	0.0128	25
26	---	---	---	---	---	---	---	---	---	---	0.0020	0.0099	26
27	---	---	---	---	---	---	---	---	---	---	0.0016	0.0114	27
28	---	---	---	---	---	---	---	---	---	---	0.0029	0.0099	28
29	---		---	---	---	---	---	---	---	---	1.21*	0.0209	29
30	---		---	---	---	---	---	---	---	---	0.786*	0.0469	30
31	---		---		---		---	---		---		0.0287	31
TOTAL	---	---	---	---	---	---	---	---	---	---	2.64	6.79	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0880	0.219	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.264	0.544	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.21	2.71	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.0089	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 9.43

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0843 B1= 1.0786 A2= 0.0000 B2= 0.0000 R^2= 0.9462 N= 27.

/charge/4100./data/loads/ma.flow92a.out Fri Feb 19 10:35:10 1993

TOTAL DAILY DISCHARGE FOR 1992 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.353	0.864	11.7	---	---	---	---	---	---	---	---	---	1
2	0.295	0.778	9.31	---	---	---	---	---	---	---	---	---	2
3	0.598	0.691	7.67	---	---	---	---	---	---	---	---	---	3
4	7.17	0.605	8.27	---	---	---	---	---	---	---	---	---	4
5	14.9	0.518	8.83	---	---	---	---	---	---	---	---	---	5
6	5.93	0.432	13.3	---	---	---	---	---	---	---	---	---	6
7	2.18	0.432	26.2	---	---	---	---	---	---	---	---	---	7
8	1.22	0.432	22.9	---	---	---	---	---	---	---	---	---	8
9	2.06	0.346	9.04	---	---	---	---	---	---	---	---	---	9
10	4.17	0.346	15.7	---	---	---	---	---	---	---	---	---	10
11	1.46	0.259	3.39	---	---	---	---	---	---	---	---	---	11
12	1.70	0.259	1.38	---	---	---	---	---	---	---	---	---	12
13	12.2	0.259	1.12	---	---	---	---	---	---	---	---	---	13
14	39.7	0.259	1.04	---	---	---	---	---	---	---	---	---	14
15	17.3	8.64	0.950	---	---	---	---	---	---	---	---	---	15
16	3.46	51.8	0.864	---	---	---	---	---	---	---	---	---	16
17	1.73	43.2	0.778	---	---	---	---	---	---	---	---	---	17
18	1.04	12.6	0.691	---	---	---	---	---	---	---	---	---	18
19	0.864	69.1	0.691	---	---	---	---	---	---	---	---	---	19
20	0.778	33.1	0.691	---	---	---	---	---	---	---	---	---	20
21	0.691	18.6	0.605	---	---	---	---	---	---	---	---	---	21
22	0.691	17.2	0.605	---	---	---	---	---	---	---	---	---	22
23	37.0	23.4	0.605	---	---	---	---	---	---	---	---	---	23
24	59.0	13.7	1.21	---	---	---	---	---	---	---	---	---	24
25	17.8	10.0	2.70	---	---	---	---	---	---	---	---	---	25
26	6.11	8.80	8.90	---	---	---	---	---	---	---	---	---	26
27	2.37	11.6	4.88	---	---	---	---	---	---	---	---	---	27
28	1.45	16.4	1.58	---	---	---	---	---	---	---	---	---	28
29	1.21	7.78	1.49	---	---	---	---	---	---	---	---	---	29
30	1.04		2.12	---	---	---	---	---	---	---	---	---	30
31	0.950		2.10		0.0936		---	---		---		---	31
TOTAL	247	352	171	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	7.98	12.2	5.52	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	13.7	17.3	6.69	---	---	---	---	---	---	---	---	---	ST.D.
MAX	59.0	69.1	26.2	---	---	---	---	---	---	---	---	---	MAX
MIN	0.295	0.259	0.605	---	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 770
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0020	0.0099	1.69	---	---	---	---	---	---	---	---	---	1
2	0.0014	0.0082	0.747	---	---	---	---	---	---	---	---	---	2
3	0.0066	0.0066	0.578	---	---	---	---	---	---	---	---	---	3
4	0.692	0.0052	0.669	---	---	---	---	---	---	---	---	---	4
5	1.71	0.0039	0.709	---	---	---	---	---	---	---	---	---	5
6	0.361	0.0028	1.80*	---	---	---	---	---	---	---	---	---	6
7	0.0532	0.0028	5.43*	---	---	---	---	---	---	---	---	---	7
8	0.0189	0.0028	4.07*	---	---	---	---	---	---	---	---	---	8
9	0.0607	0.0019	0.695	---	---	---	---	---	---	---	---	---	9
10	0.174	0.0019	2.45*	---	---	---	---	---	---	---	---	---	10
11	0.0264	0.0011	0.136	---	---	---	---	---	---	---	---	---	11
12	0.0357	0.0011	0.0231	---	---	---	---	---	---	---	---	---	12
13	1.32	0.0011	0.0159	---	---	---	---	---	---	---	---	---	13
14	9.97	0.0011*	0.0137	---	---	---	---	---	---	---	---	---	14
15	2.21	0.633*	0.0117	---	---	---	---	---	---	---	---	---	15
16	0.121	16.1*	0.0099	---	---	---	---	---	---	---	---	---	16
17	0.0345	11.6*	0.0082*	---	---	---	---	---	---	---	---	---	17
18	0.0137	1.31*	0.0066	---	---	--- *	---	---	---	---	---	---	18
19	0.0099	27.1*	0.0066	---	---	--- *	---	---	---	---	---	---	19
20	0.0082	7.59*	0.0066	---	---	--- *	---	---	---	---	---	---	20
21	0.0066	2.56*	0.0052	---	---	---	---	---	---	---	---	---	21
22	0.0066	2.29	0.0052	---	---	---	---	---	---	---	---	---	22
23	20.5	4.04	0.0052	---	---	---	---	---	---	---	---	---	23
24	26.3	1.53	0.0205	---	---	---	---	---	---	---	---	---	24
25	2.48	0.868	0.123	---	---	---	---	---	---	---	---	---	25
26	0.358	0.667	0.671	---	---	---	---	---	---	---	---	---	26
27	0.0632	1.29	0.237	---	---	---	---	---	---	---	---	---	27
28	0.0252	2.41*	0.0301	---	---	---	---	---	---	---	---	---	28
29	0.0181*	0.523	0.0267	---	---	---	---	---	---	---	---	---	29
30	0.0137		0.0500	---	---	---	---	---	---	---	---	---	30
31	0.0117		0.0500		0.0003		---	---		---		---	31
TOTAL	66.7	80.6	20.3	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.15	2.78	0.655	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	6.02	5.99	1.26	---	---	---	---	---	---	---	---	---	ST.D.
MAX	26.3	27.1	5.43	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0014	0.0011	0.0052	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 168

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 469.3942 B1= 1.8068 A2= 0.0000 B2= 0.0000 R^2= 0.8378 N= 32.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0116	0.0500	4.85	---	---	---	---	---	---	---	---	---	1
2	0.0088	0.0421	2.47	---	---	---	---	---	---	---	---	---	2
3	0.0330	0.0347	1.93	---	---	---	---	---	---	---	---	---	3
4	2.17	0.0279	2.19	---	---	---	---	---	---	---	---	---	4
5	5.24	0.0217	2.34	---	---	---	---	---	---	---	---	---	5
6	1.26	0.0161	5.22*	---	---	---	---	---	---	---	---	---	6
7	0.228	0.0161	14.5*	---	---	---	---	---	---	---	---	---	7
8	0.0895	0.0161	11.3*	---	---	---	---	---	---	---	---	---	8
9	0.246	0.0112	2.33	---	---	---	---	---	---	---	---	---	9
10	0.662	0.0112	6.91*	---	---	---	---	---	---	---	---	---	10
11	0.121	0.0070	0.518	---	---	---	---	---	---	---	---	---	11
12	0.158	0.0070	0.108	---	---	---	---	---	---	---	---	---	12
13	4.08	0.0070	0.0767	---	---	---	---	---	---	---	---	---	13
14	25.8	0.0070*	0.0673	---	---	---	---	---	---	---	---	---	14
15	6.63	2.14*	0.0584	---	---	---	---	---	---	---	---	---	15
16	0.480	39.8*	0.0500	---	---	---	---	---	---	---	---	---	16
17	0.155	29.6*	0.0421*	---	---	---	---	---	---	---	---	---	17
18	0.0673	4.09*	0.0347	---	---	--- *	---	---	---	---	---	---	18
19	0.0500	63.7*	0.0347	---	---	--- *	---	---	---	---	---	---	19
20	0.0421	20.0*	0.0347	---	---	--- *	---	---	---	---	---	---	20
21	0.0347	7.54*	0.0279	---	---	---	---	---	---	---	---	---	21
22	0.0347	6.78	0.0279	---	---	---	---	---	---	---	---	---	22
23	44.3	11.3	0.0279	---	---	---	---	---	---	---	---	---	23
24	59.4	4.71	0.0945	---	---	---	---	---	---	---	---	---	24
25	7.28	2.82	0.447	---	---	---	---	---	---	---	---	---	25
26	1.27	2.24	2.25	---	---	---	---	---	---	---	---	---	26
27	0.265	3.93	0.872	---	---	---	---	---	---	---	---	---	27
28	0.117	6.93*	0.136	---	---	---	---	---	---	---	---	---	28
29	0.0865*	1.80	0.122	---	---	---	---	---	---	---	---	---	29
30	0.0673		0.216	---	---	---	---	---	---	---	---	---	30
31	0.0584		0.215		0.0020		---	---		---		---	31
TOTAL	160	207	59.5	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	5.18	7.16	1.92	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	13.5	14.4	3.44	---	---	---	---	---	---	---	---	---	ST.D.
MAX	59.4	63.7	14.5	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0088	0.0070	0.0279	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 427

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.0613 B1= 1.6318 A2= 0.0000 B2= 0.0000 R^2= 0.8698 N= 33.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0045	0.0144	0.498	---	---	---	---	---	---	---	---	---	1
2	0.0036	0.0126	0.325	---	---	---	---	---	---	---	---	---	2
3	0.0096	0.0108	0.259	---	---	---	---	---	---	---	---	---	3
4	0.263	0.0090	0.287	---	---	---	---	---	---	---	---	---	4
5	0.598	0.0074	0.307	---	---	---	---	---	---	---	---	---	5
6	0.185	0.0058	0.551*	---	---	---	---	---	---	---	---	---	6
7	0.0485	0.0058	1.30*	---	---	---	---	---	---	---	---	---	7
8	0.0228	0.0058	1.08*	---	---	---	---	---	---	---	---	---	8
9	0.0481	0.0043	0.311	---	---	---	---	---	---	---	---	---	9
10	0.113	0.0043	0.692*	---	---	---	---	---	---	---	---	---	10
11	0.0289	0.0030	0.0898	---	---	---	---	---	---	---	---	---	11
12	0.0354	0.0030	0.0266	---	---	---	---	---	---	---	---	---	12
13	0.475	0.0030	0.0203	---	---	---	---	---	---	---	---	---	13
14	2.15	0.0030*	0.0183	---	---	---	---	---	---	---	---	---	14
15	0.724	0.292*	0.0163	---	---	---	---	---	---	---	---	---	15
16	0.0883	3.04*	0.0144	---	---	---	---	---	---	---	---	---	16
17	0.0357	2.40*	0.0126*	---	---	---	---	---	---	---	---	---	17
18	0.0183	0.484*	0.0108	---	---	---	---	---	---	---	---	---	18
19	0.0144	4.43*	0.0108	---	---	--- *	---	---	---	---	---	---	19
20	0.0126	1.72*	0.0108	---	---	--- *	---	---	---	---	---	---	20
21	0.0108	0.799*	0.0090	---	---	--- *	---	---	---	---	---	---	21
22	0.0108	0.728	0.0090	---	---	---	---	---	---	---	---	---	22
23	2.66	1.09	0.0090	---	---	---	---	---	---	---	---	---	23
24	3.90	0.542	0.0232	---	---	---	---	---	---	---	---	---	24
25	0.766	0.361	0.0727	---	---	---	---	---	---	---	---	---	25
26	0.189	0.301	0.304	---	---	---	---	---	---	---	---	---	26
27	0.0543	0.451	0.140	---	---	---	---	---	---	---	---	---	27
28	0.0284	0.711*	0.0319	---	---	---	---	---	---	---	---	---	28
29	0.0224*	0.255	0.0294	---	---	---	---	---	---	---	---	---	29
30	0.0183		0.0465	---	---	---	---	---	---	---	---	---	30
31	0.0163		0.0462		0.0010		---	---		---			31
TOTAL	12.6	17.7	6.56	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.405	0.611	0.212	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.889	1.05	0.320	---	---	---	---	---	---	---	---	---	ST.D.
MAX	3.90	4.43	1.30	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0036	0.0030	0.0090	---	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 46.9

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0687 B1= 1.3075 A2= 0.0000 B2= 0.0000 R^2= 0.8235 N= 33.

TOTAL DAILY DISCHARGE FOR 1992 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.21	1.43	0.0576	---	---	---	---	---	---	1
2	---	---	---	1.88	1.48	0	---	---	---	---	---	---	2
3	---	---	---	1.81	1.57	0	---	---	---	---	---	---	3
4	---	---	---	1.75	1.38	0	---	---	---	---	---	---	4
5	---	---	---	1.55	1.27	0	---	---	---	---	---	---	5
6	---	---	---	1.44	1.23	0	---	---	---	---	---	---	6
7	---	---	---	1.49	1.03	0.0504	---	---	---	---	---	---	7
8	---	---	---	1.39	0.803	0.115	---	---	---	---	---	---	8
9	---	---	---	1.23	0.644	0.0144	---	---	---	---	---	---	9
10	---	---	---	1.11	0.497	0	---	---	---	---	---	---	10
11	---	---	---	1.74	0.400	0	---	---	---	---	---	---	11
12	---	---	---	1.62	0.310	0	---	---	---	---	---	---	12
13	---	---	---	1.42	0.252	0	---	---	---	---	---	---	13
14	---	---	---	1.32	0.173	0	---	---	---	---	---	---	14
15	---	---	---	1.21	0.144	0	---	---	---	---	---	---	15
16	---	---	---	45.7	0.0864	0	---	---	---	---	---	---	16
17	---	---	---	18.0	0.0864	0	---	---	---	---	---	---	17
18	---	---	---	8.73	0.0864	0.0612	---	---	---	---	---	---	18
19	---	---	---	4.58	0.0684	0.846	---	---	---	---	---	---	19
20	---	---	---	2.79	0.0396	0.360	---	---	---	---	---	---	20
21	---	---	---	5.91	0	0.223	---	---	---	---	---	---	21
22	---	---	---	4.30	0.0540	0.0900	---	---	---	---	---	---	22
23	---	---	---	2.58	0.0468	0.0864	---	---	---	---	---	---	23
24	---	---	---	27.7	0.0720	0.101	---	---	---	---	---	---	24
25	---	---	---	11.0	0	0.0864	---	---	---	---	---	---	25
26	---	---	---	5.68	0	0.0864	---	---	---	---	---	---	26
27	---	---	---	3.66	0	0.0648	---	---	---	---	---	---	27
28	---	---	---	2.20	0	0.0072	---	---	---	---	---	---	28
29	---	---	---	1.50	0	0	---	---	---	---	---	---	29
30	---		---	1.65	0	0	---	---	---	---	---	---	30
31	---		---		0.0936		---	---		---		---	31
TOTAL	---	---	---	170	13.2	2.25	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	5.68	0.427	0.0750	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	9.48	0.543	0.166	---	---	---	---	---	---	ST.D.
MAX	---	---	---	45.7	1.57	0.846	---	---	---	---	---	---	MAX
MIN	---	---	---	1.11	0	0	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 185
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test

Area: 410. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.199	0.0408	0.0001	---	---	---	---	---	---	1
2	---	---	---	0.0703	0.0446	0	---	---	---	---	---	---	2
3	---	---	---	0.0645	0.0490	0	---	---	---	---	---	---	3
4	---	---	---	0.0604	0.0378	0	---	---	---	---	---	---	4
5	---	---	---	0.0480	0.0326	0	---	---	---	---	---	---	5
6	---	---	---	0.0412	0.0306	0	---	---	---	---	---	---	6
7	---	---	---	0.0442*	0.0216	0.0002	---	---	---	---	---	---	7
8	---	---	---	0.0389	0.0134	0.0003	---	---	---	---	---	---	8
9	---	---	---	0.0307	0.0088	0.0000	---	---	---	---	---	---	9
10	---	---	---	0.0249	0.0053	0	---	---	---	---	---	---	10
11	---	---	---	0.0611	0.0035	0	---	---	---	---	---	---	11
12	---	---	---	0.0520	0.0021	0	---	---	---	---	---	---	12
13	---	---	---	0.0404*	0.0014	0	---	---	---	---	---	---	13
14	---	---	---	0.0351	0.0007	0	---	---	---	---	---	---	14
15	---	---	---	0.0294	0.0005	0	---	---	---	---	---	---	15
16	---	---	---	96.0*	0.0002	0	---	---	---	---	---	---	16
17	---	---	---	7.07*	0.0002	0	---	---	---	---	---	---	17
18	---	---	---	1.44*	0.0002	0.0005*	---	---	---	---	---	---	18
19	---	---	---	0.410	0.0001	0.0217*	---	---	---	---	---	---	19
20	---	---	---	0.150	0.0001	0.0030*	---	---	---	---	---	---	20
21	---	---	---	0.965*	0	0.0011	---	---	---	---	---	---	21
22	---	---	---	0.378	0.0001	0.0002	---	---	---	---	---	---	22
23	---	---	---	0.150	0.0001	0.0002	---	---	---	---	---	---	23
24	---	---	---	21.8	0.0001	0.0003	---	---	---	---	---	---	24
25	---	---	---	2.19	0	0.0002	---	---	---	---	---	---	25
26	---	---	---	0.609	0	0.0002	---	---	---	---	---	---	26
27	---	---	---	0.263	0	0.0001	---	---	---	---	---	---	27
28	---	---	---	0.0957	0	0.0000	---	---	---	---	---	---	28
29	---	---	---	0.0449	0	0	---	---	---	---	---	---	29
30	---	---	---	0.0543	0	0	---	---	---	---	---	---	30
31	---		---		0.0004		---	---		---		---	31
TOTAL	---	---	---	132	0.294	0.0282	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	4.42	0.0095	0.0009	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	17.8	0.0158	0.0040	---	---	---	---	---	---	ST.D.
MAX	---	---	---	96.0	0.0490	0.0217	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0249	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 132

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1365.5527 B1= 1.9433 A2= 0.0000 B2= 0.0000 R^2= 0.8847 N= 20.

Watershed: Kettle Creek Test

Area: 410. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.619	0.143	0.0006	---	---	---	---	---	---	1
2	---	---	---	0.237	0.155	0	---	---	---	---	---	---	2
3	---	---	---	0.219	0.170	0	---	---	---	---	---	---	3
4	---	---	---	0.206	0.134	0	---	---	---	---	---	---	4
5	---	---	---	0.167	0.117	0	---	---	---	---	---	---	5
6	---	---	---	0.145	0.110	0	---	---	---	---	---	---	6
7	---	---	---	0.154*	0.0797	0.0009	---	---	---	---	---	---	7
8	---	---	---	0.137	0.0511	0.0017	---	---	---	---	---	---	8
9	---	---	---	0.110	0.0347	0.0002	---	---	---	---	---	---	9
10	---	---	---	0.0908	0.0216	0	---	---	---	---	---	---	10
11	---	---	---	0.207	0.0146	0	---	---	---	---	---	---	11
12	---	---	---	0.179	0.0093	0	---	---	---	---	---	---	12
13	---	---	---	0.142*	0.0064	0	---	---	---	---	---	---	13
14	---	---	---	0.125	0.0032	0	---	---	---	---	---	---	14
15	---	---	---	0.106	0.0024	0	---	---	---	---	---	---	15
16	---	---	---	170*	0.0009	0	---	---	---	---	---	---	16
17	---	---	---	16.4*	0.0009	0	---	---	---	---	---	---	17
18	---	---	---	3.85*	0.0009	0.0022*	---	---	---	---	---	---	18
19	---	---	---	1.21	0.0007	0.0756*	---	---	---	---	---	---	19
20	---	---	---	0.479	0.0004	0.0126*	---	---	---	---	---	---	20
21	---	---	---	2.55*	0	0.0052	---	---	---	---	---	---	21
22	---	---	---	1.11	0.0007	0.0010	---	---	---	---	---	---	22
23	---	---	---	0.465	0.0005	0.0009	---	---	---	---	---	---	23
24	---	---	---	44.9	0.0008	0.0013	---	---	---	---	---	---	24
25	---	---	---	5.71	0	0.0009	---	---	---	---	---	---	25
26	---	---	---	1.74	0	0.0009	---	---	---	---	---	---	26
27	---	---	---	0.799	0	0.0007	---	---	---	---	---	---	27
28	---	---	---	0.315	0	0.0001	---	---	---	---	---	---	28
29	---	---	---	0.156	0	0	---	---	---	---	---	---	29
30	---	---	---	0.187	0	0	---	---	---	---	---	---	30
31	---		---		0.0018		---	---		---		---	31
TOTAL	---	---	---	253	1.06	0.105	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	8.45	0.0342	0.0035	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	31.8	0.0553	0.0138	---	---	---	---	---	---	ST.D.
MAX	---	---	---	170	0.170	0.0756	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0908	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 254

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 2.6510 B1= 1.7986 A2= 0.0000 B2= 0.0000 R^2= 0.8998 N= 20.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0532	0.0189	0.0004	---	---	---	---	---	---	1
2	---	---	---	0.0269	0.0199	0	---	---	---	---	---	---	2
3	---	---	---	0.0256	0.0213	0	---	---	---	---	---	---	3
4	---	---	---	0.0245	0.0180	0	---	---	---	---	---	---	4
5	---	---	---	0.0210	0.0164	0	---	---	---	---	---	---	5
6	---	---	---	0.0190	0.0157	0	---	---	---	---	---	---	6
7	---	---	---	0.0200*	0.0125	0.0004	---	---	---	---	---	---	7
8	---	---	---	0.0183	0.0091	0.0008	---	---	---	---	---	---	8
9	---	---	---	0.0157	0.0069	0.0001	---	---	---	---	---	---	9
10	---	---	---	0.0137	0.0049	0	---	---	---	---	---	---	10
11	---	---	---	0.0243	0.0037	0	---	---	---	---	---	---	11
12	---	---	---	0.0221	0.0027	0	---	---	---	---	---	---	12
13	---	---	---	0.0188*	0.0021	0	---	---	---	---	---	---	13
14	---	---	---	0.0171	0.0013	0	---	---	---	---	---	---	14
15	---	---	---	0.0153	0.0010	0	---	---	---	---	---	---	15
16	---	---	---	2.01*	0.0005	0	---	---	---	---	---	---	16
17	---	---	---	0.498*	0.0005	0	---	---	---	---	---	---	17
18	---	---	---	0.191*	0.0005	0.0006*	---	---	---	---	---	---	18
19	---	---	---	0.0840	0.0004	0.0104*	---	---	---	---	---	---	19
20	---	---	---	0.0444	0.0002	0.0033*	---	---	---	---	---	---	20
21	---	---	---	0.126*	0	0.0018	---	---	---	---	---	---	21
22	---	---	---	0.0782	0.0004	0.0006	---	---	---	---	---	---	22
23	---	---	---	0.0411	0.0003	0.0005	---	---	---	---	---	---	23
24	---	---	---	0.914	0.0004	0.0007	---	---	---	---	---	---	24
25	---	---	---	0.256	0	0.0005	---	---	---	---	---	---	25
26	---	---	---	0.110	0	0.0005	---	---	---	---	---	---	26
27	---	---	---	0.0631	0	0.0004	---	---	---	---	---	---	27
28	---	---	---	0.0329	0	0.0000	---	---	---	---	---	---	28
29	---	---	---	0.0201	0	0	---	---	---	---	---	---	29
30	---		---	0.0228	0	0	---	---	---	---	---	---	30
31	---		---		0.0007		---	---		---		---	31
TOTAL	---	---	---	4.82	0.158	0.0209	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.161	0.0051	0.0007	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	0.394	0.0072	0.0020	---	---	---	---	---	---	ST.D.
MAX	---	---	---	2.01	0.0213	0.0104	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0137	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 5.00

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0405 B1= 1.2724 A2= 0.0000 B2= 0.0000 R^2= 0.7683 N= 20.

TOTAL DAILY DISCHARGE FOR 1989 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.598	5.47	0	2.28	---	---	---	---	---	---	---	---	1
2	0.461	1.39	0	2.07	---	---	---	---	---	---	---	---	2
3	0.320	0.893	0	22.3	---	---	---	---	---	---	---	---	3
4	0.227	0.702	5.05	18.5	---	---	---	---	---	---	---	---	4
5	0.169	0.371	8.28	10.3	---	---	---	---	---	---	---	---	5
6	0.126	0.274	0.464	8.14	---	---	---	---	---	---	---	---	6
7	0.225	0.187	0.112	3.97	---	---	---	---	---	---	---	---	7
8	21.5	0.144	0.0864	2.42	---	---	---	---	---	---	---	---	8
9	1.60	0.0504	0.410	2.11	---	---	---	---	---	---	---	---	9
10	0.706	0.0756	1.26	2.06	---	---	---	---	---	---	---	---	10
11	0.328	0.0864	1.60	2.01	---	---	---	---	---	---	---	---	11
12	3.95	0.0360	0.778	3.46	---	---	---	---	---	---	---	---	12
13	0.619	0.0216	0.346	7.24	---	---	---	---	---	---	---	---	13
14	0.259	1.24	0.598	2.96	---	---	---	---	---	---	---	---	14
15	0.191	0.468	2.23	16.5	---	---	---	---	---	---	---	---	15
16	0.144	0.162	0.648	4.45	---	---	---	---	---	---	---	---	16
17	0.122	0.0864	0.529	12.0	---	---	---	---	---	---	---	---	17
18	0.853	0.0864	40.0	10.7	---	---	---	---	---	---	---	---	18
19	0.598	0.0468	4.92	3.68	---	---	---	---	---	---	---	---	19
20	0.173	0.0108	2.59	2.25	---	---	---	---	---	---	---	---	20
21	0.180	2.85	1.56	1.65	---	---	---	---	---	---	---	---	21
22	0.194	0.644	1.38	1.20	---	---	---	---	---	---	---	---	22
23	0.788	0.0864	3.54	0.857	---	---	---	---	---	---	---	---	23
24	1.07	0.0072	4.28	0.673	---	---	---	---	---	---	---	---	24
25	0.562	0	8.55	0.547	---	---	---	---	---	---	---	---	25
26	14.6	0	7.32	0.576	---	---	---	---	---	---	---	---	26
27	1.15	0	7.79	0.536	---	---	---	---	---	---	---	---	27
28	0.770	0	15.5	0.439	---	---	---	---	---	---	---	---	28
29	4.54		12.0	0.364	---	---	---	---	---	---	---	---	29
30	7.86		5.53	0.306	---	---	---	---	---	---	---	---	30
31	3.43		3.36		---		---	---		---		---	31
TOTAL	68.3	15.4	140	146	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.20	0.550	4.54	4.88	---	---	---	---	---	---	---	---	MEAN
ST.D.	4.64	1.14	7.63	5.83	---	---	---	---	---	---	---	---	ST.D.
MAX	21.5	5.47	40.0	22.3	---	---	---	---	---	---	---	---	MAX
MIN	0.122	0	0	0.306	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 371
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0098	0.270	0	0.0716	---	---	---	---	---	---	---	---	1
2	0.0067	0.0348	0	0.0624*	---	---	---	---	---	---	---	---	2
3	0.0039	0.0178	0	2.25*	---	---	---	---	---	---	---	---	3
4	0.0023	0.0126	0.439	1.66*	---	---	---	---	---	---	---	---	4
5	0.0015	0.0049	0.589	0.684*	---	---	---	---	---	---	---	---	5
6	0.0010	0.0031	0.0074	0.481*	---	---	---	---	---	---	---	---	6
7	0.0023	0.0018	0.0009	0.166*	---	---	---	---	---	---	---	---	7
8	2.46	0.0012	0.0006	0.0784*	---	---	---	---	---	---	---	---	8
9	0.0430	0.0003	0.0082	0.0639	---	---	---	---	---	---	---	---	9
10	0.0127	0.0005	0.0302	0.0615	---	---	---	---	---	---	---	---	10
11	0.0041*	0.0006	0.0458*	0.0595	---	---	---	---	---	---	---	---	11
12	0.207	0.0002	0.0145*	0.166	---	---	---	---	---	---	---	---	12
13	0.0112	0.0001	0.0043	0.409	---	---	---	---	---	---	---	---	13
14	0.0028	0.0377	0.0118*	0.106	---	---	---	---	---	---	---	---	14
15	0.0018	0.0074	0.0747*	1.50	---	---	---	---	---	---	---	---	15
16	0.0012	0.0015	0.0112	0.198	---	---	---	---	---	---	---	---	16
17	0.0010	0.0006*	0.0083	1.08	---	---	---	---	---	---	---	---	17
18	0.0258	0.0006	5.38	0.750	---	---	---	---	---	---	---	---	18
19	0.0107	0.0003	0.225	0.147	---	---	---	---	---	---	---	---	19
20	0.0015	0.0001	0.0865	0.0706	---	---	---	---	---	---	---	---	20
21	0.0017	0.152	0.0405	0.0442	---	---	---	---	---	---	---	---	21
22	0.0019	0.0130	0.0340	0.0276	---	---	---	---	---	---	---	---	22
23	0.0214	0.0006	0.138	0.0168	---	---	---	---	---	---	---	---	23
24	0.0248	0.0000	0.202	0.0117	---	---	---	---	---	---	---	---	24
25	0.0097	0	0.528	0.0086	---	---	---	---	---	---	---	---	25
26	1.37	0	0.414	0.0093	---	---	---	---	---	---	---	---	26
27	0.0274	0	0.455	0.0083	---	---	---	---	---	---	---	---	27
28	0.0146	0	1.24	0.0062	---	---	---	---	---	---	---	---	28
29	0.199		0.875	0.0047	---	---	---	---	---	---	---	---	29
30	0.450		0.270	0.0036	---	---	---	---	---	---	---	---	30
31	0.145		0.128		---		---	---		---			31
TOTAL	5.08	0.562	11.3	10.2	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.164	0.0201	0.363	0.340	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.497	0.0572	0.975	0.567	---	---	---	---	---	---	---	---	ST.D.
MAX	2.46	0.270	5.38	2.25	---	---	---	---	---	---	---	---	MAX
MIN	0.0010	0	0	0.0036	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 27.1

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 183.5026 B1= 1.4859 A2= 0.0000 B2= 0.0000 R^2= 0.8136 N= 22.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0785	1.13	0	0.392	---	---	---	---	---	---	---	---	1
2	0.0575	0.217	0	0.349*	---	---	---	---	---	---	---	---	2
3	0.0372	0.127	0	6.18*	---	---	---	---	---	---	---	---	3
4	0.0246	0.0956	1.32	4.89*	---	---	---	---	---	---	---	---	4
5	0.0173	0.0446	1.98	2.42*	---	---	---	---	---	---	---	---	5
6	0.0123	0.0307	0.0597	1.82*	---	---	---	---	---	---	---	---	6
7	0.0242	0.0195	0.0107	0.767*	---	---	---	---	---	---	---	---	7
8	6.25	0.0143	0.0077	0.422*	---	---	---	---	---	---	---	---	8
9	0.257	0.0045	0.0574	0.358	---	---	---	---	---	---	---	---	9
10	0.0963	0.0067	0.193	0.346	---	---	---	---	---	---	---	---	10
11	0.0383*	0.0077	0.263*	0.337	---	---	---	---	---	---	---	---	11
12	0.831	0.0032	0.108*	0.697	---	---	---	---	---	---	---	---	12
13	0.0842	0.0019	0.0406	1.58	---	---	---	---	---	---	---	---	13
14	0.0288	0.207	0.0835*	0.536	---	---	---	---	---	---	---	---	14
15	0.0200	0.0601	0.392*	4.38	---	---	---	---	---	---	---	---	15
16	0.0143	0.0167	0.0869	0.883	---	---	---	---	---	---	---	---	16
17	0.0118	0.0077*	0.0681	3.16	---	---	---	---	---	---	---	---	17
18	0.142	0.0077	12.5	2.55	---	---	---	---	---	---	---	---	18
19	0.0808	0.0042	0.988	0.699	---	---	---	---	---	---	---	---	19
20	0.0177	0.0010	0.457	0.387	---	---	---	---	---	---	---	---	20
21	0.0186	0.604	0.247	0.265	---	---	---	---	---	---	---	---	21
22	0.0204	0.0912	0.215	0.181	---	---	---	---	---	---	---	---	22
23	0.125	0.0077	0.665	0.121	---	---	---	---	---	---	---	---	23
24	0.161	0.0006	0.865	0.0906	---	---	---	---	---	---	---	---	24
25	0.0747	0	1.94	0.0706	---	---	---	---	---	---	---	---	25
26	3.92	0	1.60	0.0751	---	---	---	---	---	---	---	---	26
27	0.176	0	1.73	0.0689	---	---	---	---	---	---	---	---	27
28	0.107	0	3.93	0.0542	---	---	---	---	---	---	---	---	28
29	0.895		2.92	0.0432	---	---	---	---	---	---	---	---	29
30	1.73		1.14	0.0352	---	---	---	---	---	---	---	---	30
31	0.664		0.624		---		---	---		---		---	31
TOTAL	16.0	2.71	34.5	34.2	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.517	0.0969	1.11	1.14	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.31	0.237	2.32	1.60	---	---	---	---	---	---	---	---	ST.D.
MAX	6.25	1.13	12.5	6.18	---	---	---	---	---	---	---	---	MAX
MIN	0.0118	0	0	0.0352	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 87.4

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.3572 B1= 1.2013 A2= 0.0000 B2= 0.0000 R^2= 0.8776 N= 22.

Watershed: Kettle Creek Test

Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0219	0.174	0	0.0767	---	---	---	---	---	---	---	---	1
2	0.0172	0.0483	0	0.0700*	---	---	---	---	---	---	---	---	2
3	0.0122	0.0319	0	0.643*	---	---	---	---	---	---	---	---	3
4	0.0089	0.0255	0.149	0.541*	---	---	---	---	---	---	---	---	4
5	0.0067	0.0140	0.252	0.316*	---	---	---	---	---	---	---	---	5
6	0.0051	0.0106	0.0172	0.252*	---	---	---	---	---	---	---	---	6
7	0.0088	0.0074	0.0045	0.129*	---	---	---	---	---	---	---	---	7
8	0.614	0.0058	0.0036	0.0813*	---	---	---	---	---	---	---	---	8
9	0.0550	0.0021	0.0149	0.0715	---	---	---	---	---	---	---	---	9
10	0.0256	0.0031	0.0439	0.0697	---	---	---	---	---	---	---	---	10
11	0.0125*	0.0036	0.0548*	0.0683	---	---	---	---	---	---	---	---	11
12	0.125	0.0015	0.0281*	0.111	---	---	---	---	---	---	---	---	12
13	0.0225	0.0009	0.0131	0.226	---	---	---	---	---	---	---	---	13
14	0.0100	0.0422	0.0216*	0.0978	---	---	---	---	---	---	---	---	14
15	0.0075	0.0173	0.0747*	0.485	---	---	---	---	---	---	---	---	15
16	0.0058	0.0064	0.0236	0.143	---	---	---	---	---	---	---	---	16
17	0.0050	0.0036*	0.0196	0.355	---	---	---	---	---	---	---	---	17
18	0.0292	0.0036	1.11	0.324	---	---	---	---	---	---	---	---	18
19	0.0218	0.0019	0.158	0.120	---	---	---	---	---	---	---	---	19
20	0.0069	0.0004	0.0866	0.0759	---	---	---	---	---	---	---	---	20
21	0.0071	0.0900	0.0537	0.0566	---	---	---	---	---	---	---	---	21
22	0.0077	0.0232	0.0481	0.0421	---	---	---	---	---	---	---	---	22
23	0.0274	0.0036	0.116	0.0307	---	---	---	---	---	---	---	---	23
24	0.0376	0.0003	0.137	0.0245	---	---	---	---	---	---	---	---	24
25	0.0206	0	0.264	0.0202	---	---	---	---	---	---	---	---	25
26	0.427	0	0.228	0.0212	---	---	---	---	---	---	---	---	26
27	0.0404	0	0.242	0.0198	---	---	---	---	---	---	---	---	27
28	0.0278	0	0.462	0.0165	---	---	---	---	---	---	---	---	28
29	0.146		0.363	0.0138	---	---	---	---	---	---	---	---	29
30	0.244		0.176	0.0117	---	---	---	---	---	---	---	---	30
31	0.112		0.110		---		---	---		---	---	---	31
TOTAL	2.12	0.521	4.28	4.51	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0684	0.0186	0.138	0.150	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.134	0.0364	0.215	0.169	---	---	---	---	---	---	---	---	ST.D.
MAX	0.614	0.174	1.11	0.643	---	---	---	---	---	---	---	---	MAX
MIN	0.0050	0	0	0.0117	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 11.4

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0266 B1= 0.9353 A2= 0.0000 B2= 0.0000 R^2= 0.7068 N= 22.

TOTAL DAILY DISCHARGE FOR 1989 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.259	0.943	0	0	0	0	---	---	1
2	---	---	---	---	0.266	5.43	0	0	0	0	---	---	2
3	---	---	---	---	0.212	1.57	0	0	0	0	---	---	3
4	---	---	---	---	0.173	1.39	0	0	0	0	---	---	4
5	---	---	---	---	0.313	0.533	0.0004	0	0	0	---	---	5
6	---	---	---	---	0.299	0.562	0	0	0	0	---	---	6
7	---	---	---	---	0.292	0.392	0	0	0	0	---	---	7
8	---	---	---	---	0.295	0.270	0	0	0	0	---	---	8
9	---	---	---	---	0.220	0.173	0	0	0	0	---	---	9
10	---	---	---	---	0.0972	0.162	0	0	0	0	---	---	10
11	---	---	---	---	0.101	0.108	0	0	0	0	---	---	11
12	---	---	---	---	0.641	0.108	0	0	0	0	---	---	12
13	---	---	---	---	0.742	0.173	0	0	0	0	---	---	13
14	---	---	---	---	0.493	0.108	0	0	0	0	---	---	14
15	---	---	---	---	0.378	0.0864	0	0	0	0	---	---	15
16	---	---	---	---	0.259	0.0864	0	0	0	0	---	---	16
17	---	---	---	---	0.180	0.140	0	0	0	0	---	---	17
18	---	---	---	---	0.115	0.230	0	0	0	0	---	---	18
19	---	---	---	---	0.0864	1.27	0	0	0	0	---	---	19
20	---	---	---	---	0.198	1.63	0	0	0	0	---	---	20
21	---	---	---	---	0.184	0.680	0	0	0	0.130	---	---	21
22	---	---	---	---	0.0864	4.18	0	0	0	0.126	---	---	22
23	---	---	---	---	0.162	0.691	0	0	0	0.0288	---	---	23
24	---	---	---	---	0.310	0.637	0	0	0	0	---	---	24
25	---	---	---	---	0.511	0.349	2.72	0	0	0	---	---	25
26	---	---	---	---	10.7	0.216	0.155	0	0	0	---	---	26
27	---	---	---	---	0.706	0.173	0.0036	0	0	0	---	---	27
28	---	---	---	---	0.565	0.122	0	0	0	0	---	---	28
29	---	---	---	---	0.385	0.0540	0	0	0	0	---	---	29
30	---		---	---	1.66	0	0	0	0	0	---	---	30
31	---		---		0.943		0	0		0		---	31
TOTAL	---	---	---	---	21.8	22.5	2.88	0	0	0.284	---	---	TOTAL
MEAN	---	---	---	---	0.704	0.749	0.0929	0	0	0.0092	---	---	MEAN
ST.D.	---	---	---	---	1.88	1.21	0.489	0	0	0.0321	---	---	ST.D.
MAX	---	---	---	---	10.7	5.43	2.72	0	0	0.130	---	---	MAX
MIN	---	---	---	---	0.0864	0	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 47.4
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0031	0.0350	0	0	0	0	---	---	1
2	---	---	---	---	0.0032	1.55	0	0	0	0	---	---	2
3	---	---	---	---	0.0022	0.136*	0	0	0	0	---	---	3
4	---	---	---	---	0.0014	0.0992*	0	0	0	0	---	---	4
5	---	---	---	---	0.0045	0.0119*	0	0	0	0	---	---	5
6	---	---	---	---	0.0041	0.0131	0	0	0	0	---	---	6
7	---	---	---	---	0.0039	0.0068	0	0	0	0	---	---	7
8	---	---	---	---	0.0040	0.0035	0	0	0	0	---	---	8
9	---	---	---	---	0.0024	0.0014	0	0	0	0	---	---	9
10	---	---	---	---	0.0005	0.0013	0	0	0	0	---	---	10
11	---	---	---	---	0.0006*	0.0007	0	0	0	0	---	---	11
12	---	---	---	---	0.0234*	0.0007	0	0	0	0	---	---	12
13	---	---	---	---	0.0228*	0.0014	0	0	0	0	---	---	13
14	---	---	---	---	0.0104*	0.0007	0	0	0	0	---	---	14
15	---	---	---	---	0.0063*	0.0004	0	0	0	0	---	---	15
16	---	---	---	---	0.0032	0.0004	0	0	0	0	---	---	16
17	---	---	---	---	0.0016	0.0014	0	0	0	0	---	---	17
18	---	---	---	---	0.0007	0.0027	0	0	0	0	---	---	18
19	---	---	---	---	0.0004	0.263*	0	0	0	0	---	---	19
20	---	---	---	---	0.0022	0.162*	0	0	0	0	---	---	20
21	---	---	---	---	0.0018	0.0190*	0	0	0	0.0020	---	---	21
22	---	---	---	---	0.0004	1.05*	0	0	0	0.0009	---	---	22
23	---	---	---	---	0.0018	0.0193*	0	0	0	0.0001	---	---	23
24	---	---	---	---	0.0048	0.0169*	0	0	0	0	---	---	24
25	---	---	---	---	0.0386*	0.0056	1.09*	0	0	0	---	---	25
26	---	---	---	---	4.39*	0.0022*	0.0015*	0	0	0	---	---	26
27	---	---	---	---	0.0203*	0.0014	0.0000*	0	0	0	---	---	27
28	---	---	---	---	0.0133*	0.0008	0 *	0	0	0	---	---	28
29	---		---	---	0.0065	0.0002	0	0	0	0	---	---	29
30	---		---	---	0.178	0	0	0	0	0	---	---	30
31	---		---		0.0348		0	0		0		---	31
TOTAL	---	---	---	---	4.80	3.41	1.10	0	0	0.0031	---	---	TOTAL
MEAN	---	---	---	---	0.155	0.114	0.0353	0	0	0.0001	---	---	MEAN
ST.D.	---	---	---	---	0.788	0.335	0.196	0	0	0.0004	---	---	ST.D.
MAX	---	---	---	---	4.39	1.55	1.09	0	0	0.0020	---	---	MAX
MIN	---	---	---	---	0.0004	0	0	0	0	0	---	---	MIN

TOTAL LOAD FOR YEAR, 9.31

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1906.6162 B1= 1.8751 A2= 0.0000 B2= 0.0000 R^2= 0.9138 N= 52.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0222	0.169	0	0	0	0	---	---	1
2	---	---	---	---	0.0233	3.53	0	0	0	0	---	---	2
3	---	---	---	---	0.0166	0.468*	0	0	0	0	---	---	3
4	---	---	---	---	0.0118	0.368*	0	0	0	0	---	---	4
5	---	---	---	---	0.0304	0.0687*	0	0	0	0	---	---	5
6	---	---	---	---	0.0280	0.0747	0	0	0	0	---	---	6
7	---	---	---	---	0.0270	0.0429	0	0	0	0	---	---	7
8	---	---	---	---	0.0275	0.0245	0	0	0	0	---	---	8
9	---	---	---	---	0.0177	0.0118	0	0	0	0	---	---	9
10	---	---	---	---	0.0050	0.0108	0	0	0	0	---	---	10
11	---	---	---	---	0.0053*	0.0059	0	0	0	0	---	---	11
12	---	---	---	---	0.111*	0.0059	0	0	0	0	---	---	12
13	---	---	---	---	0.117*	0.0118	0	0	0	0	---	---	13
14	---	---	---	---	0.0612*	0.0059	0	0	0	0	---	---	14
15	---	---	---	---	0.0404*	0.0040	0	0	0	0	---	---	15
16	---	---	---	---	0.0230	0.0040	0	0	0	0	---	---	16
17	---	---	---	---	0.0127	0.0104	0	0	0	0	---	---	17
18	---	---	---	---	0.0066	0.0195	0	0	0	0	---	---	18
19	---	---	---	---	0.0040	0.667*	0	0	0	0	---	---	19
20	---	---	---	---	0.0162	0.527*	0	0	0	0	---	---	20
21	---	---	---	---	0.0139	0.101*	0	0	0	0.0133	---	---	21
22	---	---	---	---	0.0040	2.46*	0	0	0	0.0078	---	---	22
23	---	---	---	---	0.0128	0.103*	0	0	0	0.0013	---	---	23
24	---	---	---	---	0.0314	0.0916*	0	0	0	0	---	---	24
25	---	---	---	---	0.128*	0.0362	2.19*	0	0	0	---	---	25
26	---	---	---	---	8.88*	0.0170*	0.0114*	0	0	0	---	---	26
27	---	---	---	---	0.107*	0.0118	0.0002*	0	0	0	---	---	27
28	---	---	---	---	0.0754*	0.0072	0.0001*	0	0	0	---	---	28
29	---		---	---	0.0416	0.0025	0	0	0	0	---	---	29
30	---		---	---	0.560	0	0	0	0	0	---	---	30
31	---		---		0.168		0	0		0		---	31
TOTAL	---	---	---	---	10.6	8.86	2.20	0	0	0.0224	---	---	TOTAL
MEAN	---	---	---	---	0.343	0.295	0.0710	0	0	0.0007	---	---	MEAN
ST.D.	---	---	---	---	1.59	0.766	0.393	0	0	0.0027	---	---	ST.D.
MAX	---	---	---	---	8.88	3.53	2.19	0	0	0.0133	---	---	MAX
MIN	---	---	---	---	0.0040	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 21.7

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 2.2643 B1= 1.5635 A2= 0.0000 B2= 0.0000 R^2= 0.9121 N= 52.

Watershed: Kettle Creek Test

Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0023	0.0112	0	0	0	0	---	---	1
2	---	---	---	---	0.0024	0.105	0	0	0	0	---	---	2
3	---	---	---	---	0.0018	0.0224*	0	0	0	0	---	---	3
4	---	---	---	---	0.0014	0.0190*	0	0	0	0	---	---	4
5	---	---	---	---	0.0029	0.0056*	0	0	0	0	---	---	5
6	---	---	---	---	0.0028	0.0060	0	0	0	0	---	---	6
7	---	---	---	---	0.0027	0.0039	0	0	0	0	---	---	7
8	---	---	---	---	0.0027	0.0025	0	0	0	0	---	---	8
9	---	---	---	---	0.0019	0.0014	0	0	0	0	---	---	9
10	---	---	---	---	0.0007	0.0013	0	0	0	0	---	---	10
11	---	---	---	---	0.0007*	0.0008	0	0	0	0	---	---	11
12	---	---	---	---	0.0074*	0.0008	0	0	0	0	---	---	12
13	---	---	---	---	0.0084*	0.0014	0	0	0	0	---	---	13
14	---	---	---	---	0.0051*	0.0008	0	0	0	0	---	---	14
15	---	---	---	---	0.0037*	0.0006	0	0	0	0	---	---	15
16	---	---	---	---	0.0023	0.0006	0	0	0	0	---	---	16
17	---	---	---	---	0.0015	0.0012	0	0	0	0	---	---	17
18	---	---	---	---	0.0009	0.0020	0	0	0	0	---	---	18
19	---	---	---	---	0.0006	0.0225*	0	0	0	0	---	---	19
20	---	---	---	---	0.0017	0.0239*	0	0	0	0	---	---	20
21	---	---	---	---	0.0016	0.0075*	0	0	0	0.0012	---	---	21
22	---	---	---	---	0.0006	0.0772*	0	0	0	0.0010	---	---	22
23	---	---	---	---	0.0014	0.0077*	0	0	0	0.0002	---	---	23
24	---	---	---	---	0.0029	0.0070*	0	0	0	0	---	---	24
25	---	---	---	---	0.0065*	0.0034	0.0570*	0	0	0	---	---	25
26	---	---	---	---	0.229*	0.0019*	0.0013*	0	0	0	---	---	26
27	---	---	---	---	0.0079*	0.0014	0.0000*	0	0	0	---	---	27
28	---	---	---	---	0.0060*	0.0009	0.0000*	0	0	0	---	---	28
29	---		---	---	0.0038	0.0004	0	0	0	0	---	---	29
30	---		---	---	0.0246	0	0	0	0	0	---	---	30
31	---		---		0.0112		0	0		0		---	31
TOTAL	---	---	---	---	0.350	0.340	0.0583	0	0	0.0024	---	---	TOTAL
MEAN	---	---	---	---	0.0113	0.0113	0.0019	0	0	0.0001	---	---	MEAN
ST.D.	---	---	---	---	0.0407	0.0231	0.0102	0	0	0.0003	---	---	ST.D.
MAX	---	---	---	---	0.229	0.105	0.0570	0	0	0.0012	---	---	MAX
MIN	---	---	---	---	0.0006	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.751

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0319 B1= 1.2187 A2= 0.0000 B2= 0.0000 R^2= 0.7136 N= 53.

TOTAL DAILY DISCHARGE FOR 1989 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.454	1
2	---	---	---	---	---	---	---	---	---	---	0	0.457	2
3	---	---	---	---	---	---	---	---	---	---	0	0.342	3
4	---	---	---	---	---	---	---	---	---	---	0	0.259	4
5	---	---	---	---	---	---	---	---	---	---	0	0.259	5
6	---	---	---	---	---	---	---	---	---	---	0.0180	0.173	6
7	---	---	---	---	---	---	---	---	---	---	1.15	0.140	7
8	---	---	---	---	---	---	---	---	---	---	0.511	0.101	8
9	---	---	---	---	---	---	---	---	---	---	1.49	0.101	9
10	---	---	---	---	---	---	---	---	---	---	0.360	0.140	10
11	---	---	---	---	---	---	---	---	---	---	0.187	0.0864	11
12	---	---	---	---	---	---	---	---	---	---	0.115	0.0864	12
13	---	---	---	---	---	---	---	---	---	---	0.0864	0.0864	13
14	---	---	---	---	---	---	---	---	---	---	0.0864	0.0864	14
15	---	---	---	---	---	---	---	---	---	---	4.73	0.0036	15
16	---	---	---	---	---	---	---	---	---	---	13.8	0	16
17	---	---	---	---	---	---	---	---	---	---	2.30	0	17
18	---	---	---	---	---	---	---	---	---	---	0.875	0	18
19	---	---	---	---	---	---	---	---	---	---	0.522	0	19
20	---	---	---	---	---	---	---	---	---	---	1.17	0	20
21	---	---	---	---	---	---	---	---	---	---	0.778	0	21
22	---	---	---	---	---	---	---	---	---	---	0.497	0	22
23	---	---	---	---	---	---	---	---	---	---	0.331	0	23
24	---	---	---	---	---	---	---	---	---	---	0.223	0	24
25	---	---	---	---	---	---	---	---	---	---	0.270	0	25
26	---	---	---	---	---	---	---	---	---	---	0.616	0	26
27	---	---	---	---	---	---	---	---	---	---	0.482	0	27
28	---	---	---	---	---	---	---	---	---	---	4.37	0	28
29	---		---	---	---	---	---	---	---	---	0.576	0	29
30	---		---	---	---	---	---	---	---	---	0.605	0	30
31	---		---		---		---	---		---		0.162	31
TOTAL	---	---	---	---	---	---	---	---	---	---	36.2	2.94	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	1.21	0.0948	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	2.65	0.133	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	13.8	0.457	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 39.1
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0070	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0071	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0043	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0026	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0026	5
6	---	---	---	---	---	---	---	---	---	---	0.0001	0.0013	6
7	---	---	---	---	---	---	---	---	---	---	0.0808	0.0009	7
8	---	---	---	---	---	---	---	---	---	---	0.0093	0.0005	8
9	---	---	---	---	---	---	---	---	---	---	0.0700	0.0005	9
10	---	---	---	---	---	---	---	---	---	---	0.0049	0.0009	10
11	---	---	---	---	---	---	---	---	---	---	0.0015	0.0004*	11
12	---	---	---	---	---	---	---	---	---	---	0.0007	0.0004	12
13	---	---	---	---	---	---	---	---	---	---	0.0004	0.0004*	13
14	---	---	---	---	---	---	---	---	---	---	0.0004	0.0004	14
15	---	---	---	---	---	---	---	---	---	---	0.909*	0.0000	15
16	---	---	---	---	---	---	---	---	---	---	3.81*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.133*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0231*	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0090	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0401	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0189	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0083	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0040	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0020	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0028	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0122	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0081*	0	27
28	---	---	---	---	---	---	---	---	---	---	0.446*	0	28
29	---		---	---	---	---	---	---	---	---	0.0111*	0	29
30	---		---	---	---	---	---	---	---	---	0.0117	0	30
31	---		---		---		---	---		---		0.0016	31
TOTAL	---	---	---	---	---	---	---	---	---	---	5.62	0.0309	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.187	0.0010	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.708	0.0019	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	3.81	0.0071	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 5.65

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 922.5181 B1= 1.7795 A2= 0.0000 B2= 0.0000 R^2= 0.9105 N= 21.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0624	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0632	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0409	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0262	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0262	5
6	---	---	---	---	---	---	---	---	---	---	0.0010	0.0140	6
7	---	---	---	---	---	---	---	---	---	---	0.450	0.0106	7
8	---	---	---	---	---	---	---	---	---	---	0.0782	0.0063	8
9	---	---	---	---	---	---	---	---	---	---	0.439	0.0063	9
10	---	---	---	---	---	---	---	---	---	---	0.0448	0.0106	10
11	---	---	---	---	---	---	---	---	---	---	0.0160	0.0048*	11
12	---	---	---	---	---	---	---	---	---	---	0.0079	0.0048	12
13	---	---	---	---	---	---	---	---	---	---	0.0048	0.0048*	13
14	---	---	---	---	---	---	---	---	---	---	0.0048	0.0048	14
15	---	---	---	---	---	---	---	---	---	---	3.67*	0.0002	15
16	---	---	---	---	---	---	---	---	---	---	14.1*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.792*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.174*	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0777	0	19
20	---	---	---	---	---	---	---	---	---	---	0.279	0	20
21	---	---	---	---	---	---	---	---	---	---	0.146	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0720	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0384	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0211	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0281	0	25
26	---	---	---	---	---	---	---	---	---	---	0.101	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0701*	0	27
28	---	---	---	---	---	---	---	---	---	---	2.23*	0	28
29	---		---	---	---	---	---	---	---	---	0.0922*	0	29
30	---		---	---	---	---	---	---	---	---	0.0973	0	30
31	---		---		---		---	---		---		0.0163	31
TOTAL	---	---	---	---	---	---	---	---	---	---	23.0	0.302	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.767	0.0098	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	2.63	0.0172	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	14.1	0.0632	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 23.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 2.4006 B1= 1.5452 A2= 0.0000 B2= 0.0000 R^2= 0.9621 N= 21.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0249	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0251	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0179	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0129	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0129	5
6	---	---	---	---	---	---	---	---	---	---	0.0007	0.0080	6
7	---	---	---	---	---	---	---	---	---	---	0.0861	0.0064	7
8	---	---	---	---	---	---	---	---	---	---	0.0289	0.0043	8
9	---	---	---	---	---	---	---	---	---	---	0.102	0.0043	9
10	---	---	---	---	---	---	---	---	---	---	0.0191	0.0064	10
11	---	---	---	---	---	---	---	---	---	---	0.0089	0.0036*	11
12	---	---	---	---	---	---	---	---	---	---	0.0051	0.0036	12
13	---	---	---	---	---	---	---	---	---	---	0.0036	0.0036*	13
14	---	---	---	---	---	---	---	---	---	---	0.0036	0.0036	14
15	---	---	---	---	---	---	---	---	---	---	0.433*	0.0001	15
16	---	---	---	---	---	---	---	---	---	---	1.39*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.167*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0537*	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0293	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0756	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0468	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0277	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0172	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0109	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0136	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0356	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0268*	0	27
28	---	---	---	---	---	---	---	---	---	---	0.357*	0	28
29	---		---	---	---	---	---	---	---	---	0.0330*	0	29
30	---		---	---	---	---	---	---	---	---	0.0348	0	30
31	---		---		---		---	---		---		0.0080	31
TOTAL	---	---	---	---	---	---	---	---	---	---	3.02	0.146	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.101	0.0047	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.264	0.0071	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.39	0.0251	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 3.16

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1323 B1= 1.1680 A2= 0.0000 B2= 0.0000 R^2= 0.9220 N= 21.

TOTAL DAILY DISCHARGE FOR 1990 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.432	1.30	0.950	3.56	---	---	---	---	---	---	---	---	1
2	0.778	6.57	1.81	11.6	---	---	---	---	---	---	---	---	2
3	1.12	4.06	5.44	7.82	---	---	---	---	---	---	---	---	3
4	4.92	2.76	1.73	4.63	---	---	---	---	---	---	---	---	4
5	6.13	2.07	1.21	2.91	---	---	---	---	---	---	---	---	5
6	3.37	2.33	0.950	2.72	---	---	---	---	---	---	---	---	6
7	2.59	5.36	0.778	2.07	---	---	---	---	---	---	---	---	7
8	2.76	43.6	0.691	1.74	---	---	---	---	---	---	---	---	8
9	4.49	85.2	11.9	1.54	---	---	---	---	---	---	---	---	9
10	7.52	17.1	15.8	20.2	---	---	---	---	---	---	---	---	10
11	8.38	6.39	34.4	16.7	---	---	---	---	---	---	---	---	11
12	5.27	4.15	37.3	4.24	---	---	---	---	---	---	---	---	12
13	3.46	6.39	42.4	3.06	---	---	---	---	---	---	---	---	13
14	2.76	3.63	23.8	3.17	---	---	---	---	---	---	---	---	14
15	2.51	2.59	13.5	3.66	---	---	---	---	---	---	---	---	15
16	2.94	2.33	15.3	2.67	---	---	---	---	---	---	---	---	16
17	40.1	2.16	10.5	3.31	---	---	---	---	---	---	---	---	17
18	85.8	1.99	5.53	2.42	---	---	---	---	---	---	---	---	18
19	14.3	1.73	5.53	1.96	---	---	---	---	---	---	---	---	19
20	6.57	0.778	4.58	3.33	---	---	---	---	---	---	---	---	20
21	3.46	1.64	4.49	9.67	---	---	---	---	---	---	---	---	21
22	3.02	154	7.43	3.32	---	---	---	---	---	---	---	---	22
23	2.76	54.8	12.4	2.28	---	---	---	---	---	---	---	---	23
24	12.0	15.7	2.34	1.81	---	---	---	---	---	---	---	---	24
25	24.5	2.85	1.92	1.48	---	---	---	---	---	---	---	---	25
26	15.3	2.07	1.73	1.24	---	---	---	---	---	---	---	---	26
27	6.91	1.56	1.48	0.940	---	---	---	---	---	---	---	---	27
28	8.64	1.21	1.40	0.763	---	---	---	---	---	---	---	---	28
29	3.80		1.35	0.580	---	---	---	---	---	---	---	---	29
30	2.42		3.33	0.482	---	---	---	---	---	---	---	---	30
31	1.56		3.11		---		---	---		---			31
TOTAL	290	437	275	125	---	---	---	---	---	---	---	---	TOTAL
MEAN	9.37	15.6	8.87	4.19	---	---	---	---	---	---	---	---	MEAN
ST.D.	16.3	33.4	11.3	4.63	---	---	---	---	---	---	---	---	ST.D.
MAX	85.8	154	42.4	20.2	---	---	---	---	---	---	---	---	MAX
MIN	0.432	0.778	0.691	0.482	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 1128
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test

Area: 410. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0188	0.102	0.0633	0.487	---	---	---	---	---	---	---	---	1
2	0.0465	1.24	0.171	3.48*	---	---	---	---	---	---	---	---	2
3	0.0818	0.591	0.927	1.63*	---	---	---	---	---	---	---	---	3
4	0.795	0.327	0.159	0.732	---	---	---	---	---	---	---	---	4
5	1.11	0.210	0.0917	0.355	---	---	---	---	---	---	---	---	5
6	0.443	0.252	0.0633	0.320*	---	---	---	---	---	---	---	---	6
7	0.296	0.904	0.0465	0.210	---	---	---	---	---	---	---	---	7
8	0.327	22.8	0.0388	0.161	---	---	---	---	---	---	---	---	8
9	0.690*	63.7	3.10	0.134	---	---	---	---	---	---	---	---	9
10	1.52	5.39	4.78	10.7	---	---	---	---	---	---	---	---	10
11	1.80	1.19	15.8	5.90*	---	---	---	---	---	---	---	---	11
12	0.882	0.610	17.9	0.639*	---	---	---	---	---	---	---	---	12
13	0.461	1.19	21.8	0.383	---	---	---	---	---	---	---	---	13
14	0.327	0.497	8.94	0.406	---	---	---	---	---	---	---	---	14
15	0.281	0.296	3.74	0.505	---	---	---	---	---	---	---	---	15
16	0.359*	0.252	4.54*	0.311	---	---	---	---	---	---	---	---	16
17	20.0*	0.224	2.56*	0.433	---	---	---	---	---	---	---	---	17
18	64.4*	0.197	0.949	0.268	---	---	---	---	---	---	---	---	18
19	4.07*	0.159	0.949*	0.192*	---	---	---	---	---	---	---	---	19
20	1.24*	0.0465*	0.710	0.561*	---	---	---	---	---	---	---	---	20
21	0.461*	0.147	0.690	2.45*	---	---	---	---	---	---	---	---	21
22	0.375*	159	1.50*	0.437*	---	---	---	---	---	---	---	---	22
23	0.327	32.3	3.27*	0.243	---	---	---	---	---	---	---	---	23
24	3.13	4.74	0.253	0.170	---	---	---	---	---	---	---	---	24
25	9.39	0.343	0.187	0.125	---	---	---	---	---	---	---	---	25
26	4.54	0.210	0.159	0.0952	---	---	---	---	---	---	---	---	26
27	1.34	0.135	0.125	0.0624	---	---	---	---	---	---	---	---	27
28	1.89	0.0917	0.115	0.0453	---	---	---	---	---	---	---	---	28
29	0.534		0.109	0.0297	---	---	---	---	---	---	---	---	29
30	0.266		0.451	0.0224	---	---	---	---	---	---	---	---	30
31	0.135		0.392		---		---	---	---	---		---	31
TOTAL	121	297	94.5	31.5	---	---	---	---	---	---	---	---	TOTAL
MEAN	3.92	10.6	3.05	1.05	---	---	---	---	---	---	---	---	MEAN
ST.D.	11.9	32.1	5.56	2.20	---	---	---	---	---	---	---	---	ST.D.
MAX	64.4	159	21.8	10.7	---	---	---	---	---	---	---	---	MAX
MIN	0.0188	0.0465	0.0388	0.0224	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 544

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 753.2544 B1= 1.5379 A2= 0.0000 B2= 0.0000 R^2= 0.7924 N= 50.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0337	0.194	0.118	0.975	---	---	---	---	---	---	---	---	1
2	0.0859	2.55	0.330	7.55*	---	---	---	---	---	---	---	---	2
3	0.154	1.19	1.89	3.41*	---	---	---	---	---	---	---	---	3
4	1.62	0.645	0.306	1.49	---	---	---	---	---	---	---	---	4
5	2.29	0.408	0.173	0.703	---	---	---	---	---	---	---	---	5
6	0.884	0.493	0.118	0.632*	---	---	---	---	---	---	---	---	6
7	0.582	1.85	0.0859	0.408	---	---	---	---	---	---	---	---	7
8	0.645	51.8	0.0712	0.310	---	---	---	---	---	---	---	---	8
9	1.40*	150	6.59	0.256	---	---	---	---	---	---	---	---	9
10	3.16	11.7	10.3	24.5*	---	---	---	---	---	---	---	---	10
11	3.76	2.45	35.5	13.0*	---	---	---	---	---	---	---	---	11
12	1.80	1.23	40.4	1.29*	---	---	---	---	---	---	---	---	12
13	0.920	2.45	49.6	0.760	---	---	---	---	---	---	---	---	13
14	0.645	0.994	19.7	0.809	---	---	---	---	---	---	---	---	14
15	0.552	0.582	8.01	1.01	---	---	---	---	---	---	---	---	15
16	0.711*	0.493	9.79*	0.613	---	---	---	---	---	---	---	---	16
17	45.3*	0.436	5.42*	0.863	---	---	---	---	---	---	---	---	17
18	151*	0.382	1.94	0.526	---	---	---	---	---	---	---	---	18
19	8.75*	0.306	1.94*	0.373*	---	---	---	---	---	---	---	---	19
20	2.55*	0.0859*	1.44	1.16*	---	---	---	---	---	---	---	---	20
21	0.920*	0.282	1.40	5.21*	---	---	---	---	---	---	---	---	21
22	0.744*	387	3.11*	0.871*	---	---	---	---	---	---	---	---	22
23	0.645	74.4	6.97*	0.476	---	---	---	---	---	---	---	---	23
24	6.66	10.2	0.496	0.329	---	---	---	---	---	---	---	---	24
25	20.8	0.678	0.363	0.239	---	---	---	---	---	---	---	---	25
26	9.79	0.408	0.306	0.180	---	---	---	---	---	---	---	---	26
27	2.77	0.259	0.238	0.116	---	---	---	---	---	---	---	---	27
28	3.95	0.173	0.220	0.0838	---	---	---	---	---	---	---	---	28
29	1.07		0.207	0.0541	---	---	---	---	---	---	---	---	29
30	0.522		0.903	0.0404	---	---	---	---	---	---	---	---	30
31	0.259		0.779		---		---	---		---		---	31
TOTAL	275	704	208	68.2	---	---	---	---	---	---	---	---	TOTAL
MEAN	8.89	25.1	6.73	2.27	---	---	---	---	---	---	---	---	MEAN
ST.D.	27.9	77.8	12.6	4.99	---	---	---	---	---	---	---	---	ST.D.
MAX	151	387	49.6	24.5	---	---	---	---	---	---	---	---	MAX
MIN	0.0337	0.0859	0.0712	0.0404	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 1256

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.7767 B1= 1.5897 A2= 0.0000 B2= 0.0000 R^2= 0.8643 N= 57.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0093	0.0327	0.0229	0.104	---	---	---	---	---	---	---	---	1
2	0.0182	0.208	0.0479	0.411*	---	---	---	---	---	---	---	---	2
3	0.0277	0.120	0.168	0.254*	---	---	---	---	---	---	---	---	3
4	0.150	0.0775	0.0453	0.140	---	---	---	---	---	---	---	---	4
5	0.192	0.0558	0.0302	0.0822	---	---	---	---	---	---	---	---	5
6	0.0971	0.0639	0.0229	0.0762*	---	---	---	---	---	---	---	---	6
7	0.0720	0.165	0.0182	0.0557	---	---	---	---	---	---	---	---	7
8	0.0775	1.80	0.0159	0.0458	---	---	---	---	---	---	---	---	8
9	0.135*	3.87	0.411	0.0399	---	---	---	---	---	---	---	---	9
10	0.243	0.620	0.566	0.827*	---	---	---	---	---	---	---	---	10
11	0.275	0.202	1.37	0.618*	---	---	---	---	---	---	---	---	11
12	0.162	0.123	1.51	0.127*	---	---	---	---	---	---	---	---	12
13	0.1000	0.202	1.75	0.0871	---	---	---	---	---	---	---	---	13
14	0.0775	0.106	0.901	0.0907	---	---	---	---	---	---	---	---	14
15	0.0693	0.0720	0.472	0.107	---	---	---	---	---	---	---	---	15
16	0.0831*	0.0639	0.545*	0.0747	---	---	---	---	---	---	---	---	16
17	1.64*	0.0585	0.357*	0.0953	---	---	---	---	---	---	---	---	17
18	3.90*	0.0532	0.171	0.0667	---	---	---	---	---	---	---	---	18
19	0.503*	0.0453	0.171*	0.0523*	---	---	---	---	---	---	---	---	19
20	0.208*	0.0182*	0.138	0.101*	---	---	---	---	---	---	---	---	20
21	0.1000*	0.0428	0.135	0.329*	---	---	---	---	---	---	---	---	21
22	0.0858*	7.64	0.239*	0.0956*	---	---	---	---	---	---	---	---	22
23	0.0775	2.34	0.428*	0.0622	---	---	---	---	---	---	---	---	23
24	0.414	0.563	0.0640	0.0477	---	---	---	---	---	---	---	---	24
25	0.935	0.0803	0.0512	0.0380	---	---	---	---	---	---	---	---	25
26	0.545	0.0558	0.0454	0.0310	---	---	---	---	---	---	---	---	26
27	0.220	0.0402	0.0379	0.0226	---	---	---	---	---	---	---	---	27
28	0.284	0.0302	0.0358	0.0179	---	---	---	---	---	---	---	---	28
29	0.111		0.0343	0.0131	---	---	---	---	---	---	---	---	29
30	0.0666		0.0965	0.0106	---	---	---	---	---	---	---	---	30
31	0.0402		0.0886		---		---	---	---	---		---	31
TOTAL	10.9	18.7	9.99	4.12	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.352	0.669	0.322	0.137	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.734	1.61	0.460	0.184	---	---	---	---	---	---	---	---	ST.D.
MAX	3.90	7.64	1.75	0.827	---	---	---	---	---	---	---	---	MAX
MIN	0.0093	0.0182	0.0159	0.0106	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 43.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0455 B1= 1.1407 A2= 0.0000 B2= 0.0000 R^2= 0.6771 N= 57.

TOTAL DAILY DISCHARGE FOR 1990 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.396	0.259	1.29	0.428	1.25	1.27	---	---	1
2	---	---	---	---	0.328	0.0864	0.756	0.238	0.756	1.03	---	---	2
3	---	---	---	---	0.288	1.12	0.468	0.137	0.479	0.853	---	---	3
4	---	---	---	---	0.468	0.864	0.266	0.0972	0.418	14.0	---	---	4
5	---	---	---	---	0.695	0.518	0.148	0.248	0.302	1.70	---	---	5
6	---	---	---	---	0.450	0.223	0.0648	0.133	5.18	1.13	---	---	6
7	---	---	---	---	0.389	0.0036	0	0.0432	12.4	1.39	---	---	7
8	---	---	---	---	0.295	4.34	0.436	0	3.12	1.48	---	---	8
9	---	---	---	---	0.223	2.04	22.4	0	1.67	47.7	---	---	9
10	---	---	---	---	0.245	1.18	1.20	0	1.24	30.2	---	---	10
11	---	---	---	---	0.216	0.778	0.821	0	0.893	50.1	---	---	11
12	---	---	---	---	0.126	0.587	0.468	0.0468	0.630	21.5	---	---	12
13	---	---	---	---	4.41	0.432	0.302	1.33	0.504	8.43	---	---	13
14	---	---	---	---	2.07	0.349	7.78	0.461	32.0	2.59	---	---	14
15	---	---	---	---	1.56	0.230	2.00	0.230	22.5	1.65	---	---	15
16	---	---	---	---	24.0	0.137	1.26	0.115	6.67	1.36	---	---	16
17	---	---	---	---	45.1	0.0864	0.918	0.0864	3.28	1.59	---	---	17
18	---	---	---	---	14.9	0.155	0.601	0.0396	1.98	55.3	---	---	18
19	---	---	---	---	6.31	0.0468	0.400	0.126	2.07	4.69	---	---	19
20	---	---	---	---	16.5	0	0.857	0.173	1.81	2.40	---	---	20
21	---	---	---	---	11.8	0	0.479	0.0864	1.52	2.17	---	---	21
22	---	---	---	---	5.01	0	0.421	0.0864	2.20	2.52	---	---	22
23	---	---	---	---	2.85	9.22	0.457	0.0684	1.51	2.19	---	---	23
24	---	---	---	---	1.73	3.72	0.331	0	2.47	1.85	---	---	24
25	---	---	---	---	1.30	1.74	0.220	0	1.57	1.64	---	---	25
26	---	---	---	---	1.12	1.28	0.144	0	1.42	1.43	---	---	26
27	---	---	---	---	0.864	1.15	0.0864	0.461	1.18	1.29	---	---	27
28	---	---	---	---	0.691	0.785	0.0468	172	0.943	1.18	---	---	28
29	---		---	---	0.778	0.623	0	26.3	0.839	1.06	---	---	29
30	---		---	---	0.518	2.39	1.98	6.15	1.18	1.03	---	---	30
31	---		---		0.432		0.526	1.96		0.950		---	31
TOTAL	---	---	---	---	146	34.3	47.1	211	113	267	---	---	TOTAL
MEAN	---	---	---	---	4.71	1.14	1.52	6.83	3.80	8.64	---	---	MEAN
ST.D.	---	---	---	---	9.43	1.86	4.12	31.2	6.91	15.6	---	---	ST.D.
MAX	---	---	---	---	45.1	9.22	22.4	172	32.0	55.3	---	---	MAX
MIN	---	---	---	---	0.126	0	0	0	0.302	0.853	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 820
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0161	0.0089	0.0844	0.0181	0.0802	0.0817	---	---	1
2	---	---	---	---	0.0123	0.0019	0.0403	0.0079	0.0401	0.0616	---	---	2
3	---	---	---	---	0.0103*	0.0690	0.0206	0.0037	0.0210	0.0470	---	---	3
4	---	---	---	---	0.0217*	0.0478	0.0094	0.0023	0.0173	2.86	---	---	4
5	---	---	---	---	0.0355*	0.0234	0.0041	0.0085	0.0111	0.127	---	---	5
6	---	---	---	---	0.0192*	0.0078*	0.0014	0.0036	0.587	0.0696	---	---	6
7	---	---	---	---	0.0157	0.0001	0	0.0010*	1.98	0.0935*	---	---	7
8	---	---	---	---	0.0107	0.600*	0.0653	0	0.295	0.102	---	---	8
9	---	---	---	---	0.0073*	0.161	6.64	0	0.121	13.1*	---	---	9
10	---	---	---	---	0.0082*	0.0747*	0.0756*	0	0.0796	6.93*	---	---	10
11	---	---	---	---	0.0069	0.0416*	0.0449	0	0.0503	14.0*	---	---	11
12	---	---	---	---	0.0035*	0.0278	0.0205*	0.0011	0.0308	5.31*	---	---	12
13	---	---	---	---	0.579*	0.0183	0.0111	0.0965	0.0226	1.24*	---	---	13
14	---	---	---	---	0.163*	0.0135	1.04	0.0202	7.49*	0.224	---	---	14
15	---	---	---	---	0.109*	0.0076	0.167	0.0076	4.57*	0.118*	---	---	15
16	---	---	---	---	5.02*	0.0037	0.0808	0.0029*	0.844*	0.0906	---	---	16
17	---	---	---	---	12.1*	0.0019	0.0524	0.0019	0.313*	0.113	---	---	17
18	---	---	---	---	2.58*	0.0046	0.0290	0.0009	0.153	16.1*	---	---	18
19	---	---	---	---	0.772*	0.0010	0.0165	0.0044	0.163	0.519*	---	---	19
20	---	---	---	---	2.97*	0	0.0497	0.0052	0.135	0.201*	---	---	20
21	---	---	---	---	1.84*	0	0.0212	0.0019	0.106	0.174	---	---	21
22	---	---	---	---	0.560	0	0.0177	0.0019	0.177	0.214	---	---	22
23	---	---	---	---	0.254	2.15*	0.0199	0.0015	0.105	0.176	---	---	23
24	---	---	---	---	0.126	0.435*	0.0125	0	0.211	0.139	---	---	24
25	---	---	---	---	0.0843	0.128*	0.0071	0	0.111*	0.117	---	---	25
26	---	---	---	---	0.0690	0.0830	0.0040	0	0.0962	0.0971	---	---	26
27	---	---	---	---	0.0478	0.0718	0.0019*	0.0579*	0.0745	0.0834*	---	---	27
28	---	---	---	---	0.0350	0.0419	0.0010	79.4*	0.0541	0.0741	---	---	28
29	---		---	---	0.0413	0.0303	0	5.69*	0.0459	0.0638	---	---	29
30	---		---	---	0.0234	0.301	0.249*	0.746*	0.0745	0.0614	---	---	30
31	---		---		0.0181		0.0241*	0.151*		0.0546		---	31
TOTAL	---	---	---	---	27.6	4.35	8.81	86.2	18.0	62.7	---	---	TOTAL
MEAN	---	---	---	---	0.890	0.145	0.284	2.78	0.602	2.02	---	---	MEAN
ST.D.	---	---	---	---	2.36	0.402	1.19	14.3	1.57	4.43	---	---	ST.D.
MAX	---	---	---	---	12.1	2.15	6.64	79.4	7.49	16.1	---	---	MAX
MIN	---	---	---	---	0.0035	0	0	0	0.0111	0.0470	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 207

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 348.3265 B1= 1.3995 A2= 0.0000 B2= 0.0000 R^2= 0.8485 N= 111.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0411	0.0224	0.220	0.0463	0.209	0.213	---	---	1
2	---	---	---	---	0.0314	0.0047	0.104	0.0200	0.104	0.160	---	---	2
3	---	---	---	---	0.0262*	0.179	0.0527	0.0093	0.0537	0.121	---	---	3
4	---	---	---	---	0.0557*	0.124	0.0239	0.0057	0.0442	7.84	---	---	4
5	---	---	---	---	0.0914*	0.0599	0.0103	0.0216	0.0281	0.334	---	---	5
6	---	---	---	---	0.0491*	0.0197*	0.0035	0.0090	1.57	0.181	---	---	6
7	---	---	---	---	0.0400	0.0002	0	0.0024*	5.36	0.244*	---	---	7
8	---	---	---	---	0.0271	1.62*	0.176	0	0.781	0.266	---	---	8
9	---	---	---	---	0.0184*	0.422	18.5	0	0.316	36.3*	---	---	9
10	---	---	---	---	0.0208*	0.194*	0.197*	0	0.207	19.0*	---	---	10
11	---	---	---	---	0.0175	0.107*	0.116	0	0.130	39.0*	---	---	11
12	---	---	---	---	0.0087*	0.0715	0.0524*	0.0027	0.0793	14.7*	---	---	12
13	---	---	---	---	1.56*	0.0466	0.0281	0.253	0.0578	3.36*	---	---	13
14	---	---	---	---	0.427*	0.0343	2.78	0.0516	20.6*	0.591	---	---	14
15	---	---	---	---	0.284*	0.0193	0.440	0.0192	12.5*	0.309*	---	---	15
16	---	---	---	---	13.7*	0.0093	0.210	0.0074*	2.26*	0.236	---	---	16
17	---	---	---	---	33.6*	0.0047	0.136	0.0047	0.828*	0.294	---	---	17
18	---	---	---	---	7.02*	0.0115	0.0744	0.0022	0.402	44.8*	---	---	18
19	---	---	---	---	2.07*	0.0026	0.0420	0.0110	0.429	1.38*	---	---	19
20	---	---	---	---	8.08*	0	0.129	0.0132	0.353	0.529*	---	---	20
21	---	---	---	---	4.99*	0	0.0542	0.0047	0.276	0.457	---	---	21
22	---	---	---	---	1.49	0	0.0452	0.0047	0.464	0.565	---	---	22
23	---	---	---	---	0.671	5.92*	0.0508	0.0037	0.273	0.463	---	---	23
24	---	---	---	---	0.330	1.17*	0.0319	0	0.556	0.365	---	---	24
25	---	---	---	---	0.220	0.335*	0.0179	0	0.289*	0.307	---	---	25
26	---	---	---	---	0.179	0.216	0.0100	0	0.251	0.253	---	---	26
27	---	---	---	---	0.124	0.187	0.0047*	0.155*	0.194	0.217*	---	---	27
28	---	---	---	---	0.0901	0.108	0.0026	225*	0.140	0.193	---	---	28
29	---		---	---	0.106	0.0780	0	15.6*	0.119	0.166	---	---	29
30	---		---	---	0.0599	0.809	0.668	1.99*	0.194	0.159	---	---	30
31	---		---		0.0463		0.0619*	0.397*		0.141		---	31
TOTAL	---	---	---	---	75.5	11.8	24.3	243	49.1	173	---	---	TOTAL
MEAN	---	---	---	---	2.43	0.392	0.782	7.86	1.64	5.59	---	---	MEAN
ST.D.	---	---	---	---	6.53	1.11	3.33	40.4	4.32	12.3	---	---	ST.D.
MAX	---	---	---	---	33.6	5.92	18.5	225	20.6	44.8	---	---	MAX
MIN	---	---	---	---	0.0087	0	0	0	0.0281	0.121	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 577

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.9760 B1= 1.4170 A2= 0.0000 B2= 0.0000 R^2= 0.8901 N= 106.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0061	0.0034	0.0311	0.0069	0.0295	0.0301	---	---	1
2	---	---	---	---	0.0047	0.0008	0.0150	0.0031	0.0150	0.0228	---	---	2
3	---	---	---	---	0.0040*	0.0255	0.0078	0.0015	0.0080	0.0175	---	---	3
4	---	---	---	---	0.0082*	0.0178	0.0036	0.0009	0.0066	0.965	---	---	4
5	---	---	---	---	0.0133*	0.0088	0.0016	0.0033	0.0043	0.0464	---	---	5
6	---	---	---	---	0.0073*	0.0030*	0.0006	0.0014	0.207	0.0257	---	---	6
7	---	---	---	---	0.0060	0.0000	0	0.0004*	0.682	0.0344*	---	---	7
8	---	---	---	---	0.0041	0.208*	0.0226	0	0.106	0.0374	---	---	8
9	---	---	---	---	0.0028*	0.0584	2.18	0	0.0441	4.34*	---	---	9
10	---	---	---	---	0.0032*	0.0276*	0.0279*	0	0.0294	2.32*	---	---	10
11	---	---	---	---	0.0027	0.0155*	0.0167	0	0.0187	4.64*	---	---	11
12	---	---	---	---	0.0014*	0.0105	0.0078*	0.0004	0.0116	1.76*	---	---	12
13	---	---	---	---	0.202*	0.0069	0.0043	0.0352	0.0085	0.431*	---	---	13
14	---	---	---	---	0.0591*	0.0052	0.361	0.0076	2.51*	0.0808	---	---	14
15	---	---	---	---	0.0399*	0.0030	0.0[illegible]	0.0029	1.55*	0.0431*	---	---	15
16	---	---	---	---	1.69*	0.0015	0.0[illegible]8	0.0012*	0.296*	0.0333	---	---	16
17	---	---	---	---	4.02*	0.0008	0.01[illegible]5	0.0008	0.112*	0.0412	---	---	17
18	---	---	---	---	0.885*	0.0018	0.0109	0.0003	0.0556	5.31*	---	---	18
19	---	---	---	---	0.271*	0.0004	0.0063	0.0017	0.0593	0.184*	---	---	19
20	---	---	---	---	1.01*	0	0.0184	0.0020	0.0491	0.0726*	---	---	20
21	---	---	---	---	0.636*	0	0.0080	0.0008	0.0387	0.0631	---	---	21
22	---	---	---	---	0.198	0	0.0067	0.0008	0.0641	0.0774	---	---	22
23	---	---	---	---	0.0914	0.718*	0.0075	0.0006	0.0383	0.0639	---	---	23
24	---	---	---	---	0.0460	0.153*	0.0048	0	0.0761	0.0507	---	---	24
25	---	---	---	---	0.0310	0.0467*	0.0028	0	0.0405*	0.0429	---	---	25
26	---	---	---	---	0.0255	0.0306	0.0016	0	0.0353	0.0356	---	---	26
27	---	---	---	---	0.0178	0.0265	0.0008*	0.0203*	0.0275	0.0307*	---	---	27
28	---	---	---	---	0.0131	0.0157	0.0004	25.3*	0.0201	0.0273	---	---	28
29	---	---	---	---	0.0154	0.0114	0	1.92*	0.0171	0.0236	---	---	29
30	---		---	---	0.0088	0.105	0.0873*	0.262*	0.0275	0.0228	---	---	30
31	---		---		0.0069		0.0091*	0.0550*		0.0203		---	31
TOTAL	---	---	---	---	9.33	1.51	2.95	27.6	6.18	20.9	---	---	TOTAL
MEAN	---	---	---	---	0.301	0.0502	0.0953	0.891	0.206	0.674	---	---	MEAN
ST.D.	---	---	---	---	0.787	0.135	0.392	4.54	0.527	1.46	---	---	ST.D.
MAX	---	---	---	---	4.02	0.718	2.18	25.3	2.51	5.31	---	---	MAX
MIN	---	---	---	---	0.0014	0	0	0	0.0043	0.0175	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 68.5

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1133 B1= 1.3699 A2= 0.0000 B2= 0.0000 R^2= 0.8109 N= 110.

TOTAL DAILY DISCHARGE FOR 1990 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.868	1.55	1
2	---	---	---	---	---	---	---	---	---	---	0.806	1.45	2
3	---	---	---	---	---	---	---	---	---	---	0.788	15.6	3
4	---	---	---	---	---	---	---	---	---	---	0.763	43.2	4
5	---	---	---	---	---	---	---	---	---	---	60.5	7.12	5
6	---	---	---	---	---	---	---	---	---	---	35.2	4.50	6
7	---	---	---	---	---	---	---	---	---	---	7.30	4.08	7
8	---	---	---	---	---	---	---	---	---	---	5.22	5.72	8
9	---	---	---	---	---	---	---	---	---	---	5.16	8.69	9
10	---	---	---	---	---	---	---	---	---	---	8.14	8.70	10
11	---	---	---	---	---	---	---	---	---	---	4.47	3.76	11
12	---	---	---	---	---	---	---	---	---	---	2.84	3.24	12
13	---	---	---	---	---	---	---	---	---	---	2.04	4.24	13
14	---	---	---	---	---	---	---	---	---	---	1.66	2.19	14
15	---	---	---	---	---	---	---	---	---	---	1.52	1.60	15
16	---	---	---	---	---	---	---	---	---	---	1.63	5.18	16
17	---	---	---	---	---	---	---	---	---	---	1.57	2.29	17
18	---	---	---	---	---	---	---	---	---	---	1.40	22.3	18
19	---	---	---	---	---	---	---	---	---	---	1.41	10.4	19
20	---	---	---	---	---	---	---	---	---	---	1.39	2.92	20
21	---	---	---	---	---	---	---	---	---	---	1.17	10.5	21
22	---	---	---	---	---	---	---	---	---	---	12.4	18.0	22
23	---	---	---	---	---	---	---	---	---	---	4.29	15.6	23
24	---	---	---	---	---	---	---	---	---	---	2.42	3.46	24
25	---	---	---	---	---	---	---	---	---	---	2.28	1.47	25
26	---	---	---	---	---	---	---	---	---	---	1.83	1.12	26
27	---	---	---	---	---	---	---	---	---	---	10.2	1.04	27
28	---	---	---	---	---	---	---	---	---	---	13.8	1.04	28
29	---		---	---	---	---	---	---	---	---	3.86	138	29
30	---		---	---	---	---	---	---	---	---	1.85	62.2	30
31	---		---		---		---	---		---		10.8	31
TOTAL	---	---	---	---	---	---	---	---	---	---	198	422	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	6.62	13.6	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	12.2	26.5	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	60.5	138	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.763	1.04	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 620
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0702	0.150	1
2	---	---	---	---	---	---	---	---	---	---	0.0638	0.138	2
3	---	---	---	---	---	---	---	---	---	---	0.0619	3.11	3
4	---	---	---	---	---	---	---	---	---	---	0.0594*	11.9	4
5	---	---	---	---	---	---	---	---	---	---	18.5*	1.13	5
6	---	---	---	---	---	---	---	---	---	---	10.0*	0.611	6
7	---	---	---	---	---	---	---	---	---	---	1.16	0.537	7
8	---	---	---	---	---	---	---	---	---	---	0.743	0.858	8
9	---	---	---	---	---	---	---	---	---	---	0.768	1.54	9
10	---	---	---	---	---	---	---	---	---	---	1.35	1.46	10
11	---	---	---	---	---	---	---	---	---	---	0.608	0.485	11
12	---	---	---	---	---	---	---	---	---	---	0.336	0.402	12
13	---	---	---	---	---	---	---	---	---	---	0.216	0.571	13
14	---	---	---	---	---	---	---	---	---	---	0.165	0.238	14
15	---	---	---	---	---	---	---	---	---	---	0.146	0.159	15
16	---	---	---	---	---	---	---	---	---	---	0.162	0.741	16
17	---	---	---	---	---	---	---	---	---	---	0.153	0.263	17
18	---	---	---	---	---	---	---	---	---	---	0.132	5.08	18
19	---	---	---	---	---	---	---	---	---	---	0.134	1.94	19
20	---	---	---	---	---	---	---	---	---	---	0.130	0.347	20
21	---	---	---	---	---	---	---	---	---	---	0.105	2.29	21
22	---	---	---	---	---	---	---	---	---	---	2.69	3.84	22
23	---	---	---	---	---	---	---	---	---	---	0.578	3.11	23
24	---	---	---	---	---	---	---	---	---	---	0.273	0.431	24
25	---	---	---	---	---	---	---	---	---	---	0.250	0.140	25
26	---	---	---	---	---	---	---	---	---	---	0.187	0.0986	26
27	---	---	---	---	---	---	---	---	---	---	1.83	0.0887*	27
28	---	---	---	---	---	---	---	---	---	---	2.67	0.0887	28
29	---		---	---	---	---	---	---	---	---	0.509	54.9	29
30	---		---	---	---		---	---	---	---	0.190	19.2	30
31	---		---		---		---	---		---		1.93	31
TOTAL	---	---	---	---	---	---	---	---	---	---	44.3	117	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	1.48	3.80	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	3.72	10.3	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	18.5	54.9	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0594	0.0887	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 162

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 342.4705 B1= 1.3135 A2= 0.0000 B2= 0.0000 R^2= 0.9342 N= 11.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0622	0.153	1
2	---	---	---	---	---	---	---	---	---	---	0.0556	0.137	2
3	---	---	---	---	---	---	---	---	---	---	0.0537	5.44	3
4	---	---	---	---	---	---	---	---	---	---	0.0511*	26.5	4
5	---	---	---	---	---	---	---	---	---	---	44.5*	1.66	5
6	---	---	---	---	---	---	---	---	---	---	23.6*	0.799	6
7	---	---	---	---	---	---	---	---	---	---	1.71	0.687	7
8	---	---	---	---	---	---	---	---	---	---	1.01	1.22	8
9	---	---	---	---	---	---	---	---	---	---	1.09	2.51	9
10	---	---	---	---	---	---	---	---	---	---	2.07	2.25	10
11	---	---	---	---	---	---	---	---	---	---	0.795	0.610	11
12	---	---	---	---	---	---	---	---	---	---	0.396	0.493	12
13	---	---	---	---	---	---	---	---	---	---	0.234	0.744	13
14	---	---	---	---	---	---	---	---	---	---	0.170	0.263	14
15	---	---	---	---	---	---	---	---	---	---	0.148	0.166	15
16	---	---	---	---	---	---	---	---	---	---	0.167	1.01	16
17	---	---	---	---	---	---	---	---	---	---	0.156	0.308	17
18	---	---	---	---	---	---	---	---	---	---	0.131	9.83	18
19	---	---	---	---	---	---	---	---	---	---	0.133	3.27	19
20	---	---	---	---	---	---	---	---	---	---	0.129	0.411	20
21	---	---	---	---	---	---	---	---	---	---	0.102	4.44	21
22	---	---	---	---	---	---	---	---	---	---	5.08	7.08	22
23	---	---	---	---	---	---	---	---	---	---	0.752	5.44	23
24	---	---	---	---	---	---	---	---	---	---	0.312	0.529	24
25	---	---	---	---	---	---	---	---	---	---	0.278	0.141	25
26	---	---	---	---	---	---	---	---	---	---	0.198	0.0928	26
27	---	---	---	---	---	---	---	---	---	---	2.96	0.0820*	27
28	---	---	---	---	---	---	---	---	---	---	4.53	0.0820	28
29	---		---	---	---	---	---	---	---	---	0.654	160	29
30	---		---	---	---	---	---	---	---	---	0.202	46.5	30
31	---		---		---		---	---		---		3.09	31
TOTAL	---	---	---	---	---	---	---	---	---	---	91.8	286	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	3.06	9.23	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	8.96	29.5	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	44.5	160	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0511	0.0820	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 377

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.8956 B1= 1.5487 A2= 0.0000 B2= 0.0000 R^2= 0.8745 N= 11.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0010	0.0030	1
2	---	---	---	---	---	---	---	---	---	---	0.0009	0.0026	2
3	---	---	---	---	---	---	---	---	---	---	0.0009	0.204	3
4	---	---	---	---	---	---	---	---	---	---	0.0008*	1.33	4
5	---	---	---	---	---	---	---	---	---	---	2.45*	0.0508	5
6	---	---	---	---	---	---	---	---	---	---	1.31*	0.0212	6
7	---	---	---	---	---	---	---	---	---	---	0.0525	0.0178	7
8	---	---	---	---	---	---	---	---	---	---	0.0279	0.0359	8
9	---	---	---	---	---	---	---	---	---	---	0.0330	0.0877	9
10	---	---	---	---	---	---	---	---	---	---	0.0668	0.0728	10
11	---	---	---	---	---	---	---	---	---	---	0.0211	0.0155	11
12	---	---	---	---	---	---	---	---	---	---	0.0093	0.0122	12
13	---	---	---	---	---	---	---	---	---	---	0.0050	0.0197	13
14	---	---	---	---	---	---	---	---	---	---	0.0034	0.0057	14
15	---	---	---	---	---	---	---	---	---	---	0.0029	0.0034	15
16	---	---	---	---	---	---	---	---	---	---	0.0033	0.0283	16
17	---	---	---	---	---	---	---	---	---	---	0.0031	0.0074	17
18	---	---	---	---	---	---	---	---	---	---	0.0025	0.420	18
19	---	---	---	---	---	---	---	---	---	---	0.0025	0.119	19
20	---	---	---	---	---	---	---	---	---	---	0.0024	0.0097	20
21	---	---	---	---	---	---	---	---	---	---	0.0019	0.193	21
22	---	---	---	---	---	---	---	---	---	---	0.213	0.286	22
23	---	---	---	---	---	---	---	---	---	---	0.0199	0.204	23
24	---	---	---	---	---	---	---	---	---	---	0.0071	0.0130	24
25	---	---	---	---	---	---	---	---	---	---	0.0061	0.0027	25
26	---	---	---	---	---	---	---	---	---	---	0.0041	0.0017	26
27	---	---	---	---	---	---	---	---	---	---	0.102	0.0014*	27
28	---	---	---	---	---	---	---	---	---	---	0.165	0.0014	28
29	---		---	---	---	---	---	---	---	---	0.0171	11.1	29
30	---		---	---	---	---	---	---	---	---	0.0042	2.58	30
31	---		---		---		---	---		---		0.105	31
TOTAL	---	---	---	---	---	---	---	---	---	---	4.54	17.0	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.151	0.548	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.496	2.03	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	2.45	11.1	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0008	0.0014	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 21.5

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0546 B1= 1.8305 A2= 0.0000 B2= 0.0000 R^2= 0.7306 N= 11.

TOTAL DAILY DISCHARGE FOR 1991 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.28	0.0864	3.46	1.51	---	---	---	---	---	---	---	---	1
2	2.07	0.259	34.6	1.33	---	---	---	---	---	---	---	---	2
3	1.73	1.30	10.4	1.14	---	---	---	---	---	---	---	---	3
4	1.30	6.91	3.02	1.08	---	---	---	---	---	---	---	---	4
5	1.12	11.1	6.91	1.31	---	---	---	---	---	---	---	---	5
6	0.950	6.22	43.2	1.52	---	---	---	---	---	---	---	---	6
7	0.778	5.53	10.4	1.53	---	---	---	---	---	---	---	---	7
8	0.691	4.75	1.38	1.32	---	---	---	---	---	---	---	---	8
9	0.605	2.59	1.04	6.89	---	---	---	---	---	---	---	---	9
10	0.518	1.47	0.950	5.61	---	---	---	---	---	---	---	---	10
11	0.432	1.04	0.691	1.81	---	---	---	---	---	---	---	---	11
12	0.346	0.864	0.605	1.48	---	---	---	---	---	---	---	---	12
13	0.259	0.778	0.864	1.40	---	---	---	---	---	---	---	---	13
14	0.259	0.691	1.56	1.37	---	---	---	---	---	---	---	---	14
15	0.259	0.605	1.63	9.24	---	---	---	---	---	---	---	---	15
16	2.33	0.518	1.77	3.46	---	---	---	---	---	---	---	---	16
17	5.53	0.432	1.93	1.78	---	---	---	---	---	---	---	---	17
18	4.32	0.432	20.1	1.39	---	---	---	---	---	---	---	---	18
19	3.37	17.3	10.0	2.84	---	---	---	---	---	---	---	---	19
20	5.88	20.7	3.59	23.6	---	---	---	---	---	---	---	---	20
21	2.59	24.2	3.21	10.4	---	---	---	---	---	---	---	---	21
22	1.56	15.6	2.34	5.17	---	---	---	---	---	---	---	---	22
23	0.778	4.32	5.99	2.00	---	---	---	---	---	---	---	---	23
24	0.518	2.59	7.95	1.76	---	---	---	---	---	---	---	---	24
25	0.346	1.90	3.98	1.57	---	---	---	---	---	---	---	---	25
26	0.259	1.47	2.43	1.40	---	---	---	---	---	---	---	---	26
27	0.259	1.21	17.9	1.11	---	---	---	---	---	---	---	---	27
28	0.173	1.04	10.8	0.899	---	---	---	---	---	---	---	---	28
29	0.173		2.65	0.683	---	---	---	---	---	---	---	---	29
30	0.0864		1.62	0.527	---	---	---	---	---	---	---	---	30
31	0.0864		1.46		---		---	---		---			31
TOTAL	42.9	135	218	97.1	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.38	4.85	7.04	3.24	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.59	6.69	9.88	4.56	---	---	---	---	---	---	---	---	ST.D.
MAX	5.88	24.2	43.2	23.6	---	---	---	---	---	---	---	---	MAX
MIN	0.0864	0.0864	0.605	0.527	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 494
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.254	0.0003	0.280*	0.0608	---	---	---	---	---	---	---	---	1
2	0.109	0.0023	19.7*	0.0480	---	---	---	---	---	---	---	---	2
3	0.0778	0.0457	2.13*	0.0361*	---	---	---	---	---	---	---	---	3
4	0.0457	1.01	0.219*	0.0326	---	---	---	---	---	---	---	---	4
5	0.0351	2.40	1.01	0.0468	---	---	---	---	---	---	---	---	5
6	0.0258	0.828	29.7*	0.0614	---	---	---	---	---	---	---	---	6
7	0.0178	0.666	2.13*	0.0621	---	---	---	---	---	---	---	---	7
8	0.0143	0.504	0.0515	0.0474	---	---	---	---	---	---	---	---	8
9	0.0112	0.164	0.0303	0.999	---	---	---	---	---	---	---	---	9
10	0.0084	0.0576	0.0258	0.684	---	---	---	---	---	---	---	---	10
11	0.0060*	0.0303	0.0143	0.0851	---	---	---	---	---	---	---	---	11
12	0.0040	0.0216	0.0112	0.0582	---	---	---	---	---	---	---	---	12
13	0.0023	0.0178	0.0216*	0.0527	---	---	---	---	---	---	---	---	13
14	0.0023	0.0143	0.0640	0.0509	---	---	---	---	---	---	---	---	14
15	0.0023	0.0112	0.0700	1.72	---	---	---	---	---	---	---	---	15
16	0.135	0.0084	0.0814	0.280	---	---	---	---	---	---	---	---	16
17	0.666	0.0060	0.0951	0.0821	---	---	---	---	---	---	---	---	17
18	0.422	0.0060	9.35	0.0521	---	---	---	---	---	---	---	---	18
19	0.267	5.46	2.25	0.195*	---	---	---	---	---	---	---	---	19
20	0.745	7.65	0.307	9.71*	---	---	---	---	---	---	---	---	20
21	0.164	10.2	0.245	2.13*	---	---	---	---	---	---	---	---	21
22	0.0640	4.50	0.138	0.588*	---	---	---	---	---	---	---	---	22
23	0.0178	0.422	0.952	0.101	---	---	---	---	---	---	---	---	23
24	0.0084	0.164	1.51	0.0807	---	---	---	---	---	---	---	---	24
25	0.0040	0.0927	0.372	0.0653	---	---	---	---	---	---	---	---	25
26	0.0023	0.0576*	0.146	0.0527	---	---	---	---	---	---	---	---	26
27	0.0023	0.0402	7.58	0.0346*	---	---	---	---	---	---	---	---	27
28	0.0011	0.0303	3.02	0.0232	---	---	---	---	---	---	---	---	28
29	0.0011		0.175	0.0140	---	---	---	---	---	---	---	---	29
30	0.0003		0.0696	0.0087	---	---	---	---	---	---	---	---	30
31	0.0003		0.0571		---		---	---		---			31
TOTAL	3.12	34.4	81.7	17.5	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.101	1.23	2.64	0.582	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.189	2.57	6.39	1.80	---	---	---	---	---	---	---	---	ST.D.
MAX	0.745	10.2	29.7	9.71	---	---	---	---	---	---	---	---	MAX
MIN	0.0003	0.0003	0.0112	0.0087	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 136

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1235.5186 B1= 1.8468 A2= 0.0000 B2= 0.0000 R^2= 0.8836 N= 26.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.519	0.0005	0.574*	0.116	---	---	---	---	---	---	---	---	1
2	0.213	0.0038	49.6*	0.0903	---	---	---	---	---	---	---	---	2
3	0.150	0.0858	4.82*	0.0670*	---	---	---	---	---	---	---	---	3
4	0.0858	2.20	0.443*	0.0603	---	---	---	---	---	---	---	---	4
5	0.0650	5.46	2.20	0.0880	---	---	---	---	---	---	---	---	5
6	0.0471	1.79	76.4*	0.117	---	---	---	---	---	---	---	---	6
7	0.0319	1.43	4.82*	0.118	---	---	---	---	---	---	---	---	7
8	0.0254	1.06	0.0972	0.0892	---	---	---	---	---	---	---	---	8
9	0.0196	0.329	0.0557	2.18	---	---	---	---	---	---	---	---	9
10	0.0145	0.109	0.0471	1.46	---	---	---	---	---	---	---	---	10
11	0.0102*	0.0557	0.0254	0.165	---	---	---	---	---	---	---	---	11
12	0.0066	0.0391	0.0196	0.111	---	---	---	---	---	---	---	---	12
13	0.0038	0.0319	0.0391*	0.0996	---	---	---	---	---	---	---	---	13
14	0.0038	0.0254	0.122	0.0961	---	---	---	---	---	---	---	---	14
15	0.0038	0.0196	0.134	3.86	---	---	---	---	---	---	---	---	15
16	0.268	0.0145	0.157	0.574	---	---	---	---	---	---	---	---	16
17	1.43	0.0102	0.185	0.159	---	---	---	---	---	---	---	---	17
18	0.884	0.0102	23.2	0.0984	---	---	---	---	---	---	---	---	18
19	0.546	13.0	5.18	0.393*	---	---	---	---	---	---	---	---	19
20	1.60	18.4	0.635	23.7*	---	---	---	---	---	---	---	---	20
21	0.329	24.9	0.498	4.82*	---	---	---	---	---	---	---	---	21
22	0.122	10.6	0.274	1.25*	---	---	---	---	---	---	---	---	22
23	0.0319	0.884	2.12	0.198	---	---	---	---	---	---	---	---	23
24	0.0145	0.329	3.41	0.156	---	---	---	---	---	---	---	---	24
25	0.0066	0.180	0.776	0.125	---	---	---	---	---	---	---	---	25
26	0.0038	0.109*	0.289	0.0996	---	---	---	---	---	---	---	---	26
27	0.0038	0.0751	18.7	0.0641*	---	---	---	---	---	---	---	---	27
28	0.0017	0.0557	7.16	0.0422	---	---	---	---	---	---	---	---	28
29	0.0017		0.352	0.0248	---	---	---	---	---	---	---	---	29
30	0.0005		0.133	0.0150	---	---	---	---	---	---	---	---	30
31	0.0005		0.108		---		---	---		---		---	31
TOTAL	6.44	81.1	202	40.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.208	2.90	6.53	1.35	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.404	6.22	16.3	4.37	---	---	---	---	---	---	---	---	ST.D.
MAX	1.60	24.9	76.4	23.7	---	---	---	---	---	---	---	---	MAX
MIN	0.0005	0.0005	0.0196	0.0150	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 330

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 3.3851 B1= 1.9368 A2= 0.0000 B2= 0.0000 R^2= 0.9295 N= 26.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0619	0.0002	0.0673*	0.0173	---	---	---	---	---	---	---	---	1
2	0.0291	0.0010	2.96*	0.0140	---	---	---	---	---	---	---	---	2
3	0.0215	0.0134	0.410*	0.0109	---	---	---	---	---	---	---	---	3
4	0.0134	0.210	0.0540*	0.0099	---	---	---	---	---	---	---	---	4
5	0.0106	0.455	0.210	0.0137	---	---	---	---	---	---	---	---	5
6	0.0081	0.177	4.28*	0.0175	---	---	---	---	---	---	---	---	6
7	0.0058	0.146	0.410*	0.0176	---	---	---	---	---	---	---	---	7
8	0.0048	0.114	0.0149	0.0139	---	---	---	---	---	---	---	---	8
9	0.0038	0.0419	0.0093	0.209	---	---	---	---	---	---	---	---	9
10	0.0030	0.0165	0.0081	0.149	---	---	---	---	---	---	---	---	10
11	0.0022*	0.0093	0.0048	0.0233	---	---	---	---	---	---	---	---	11
12	0.0015	0.0069	0.0038	0.0166	---	---	---	---	---	---	---	---	12
13	0.0010	0.0058	0.0069*	0.0152	---	---	---	---	---	---	---	---	13
14	0.0010	0.0048	0.0181	0.0148	---	---	---	---	---	---	---	---	14
15	0.0010	0.0038	0.0196	0.339	---	---	---	---	---	---	---	---	15
16	0.0353	0.0030	0.0224	0.0673	---	---	---	---	---	---	---	---	16
17	0.146	0.0022	0.0258	0.0226	---	---	---	---	---	---	---	---	17
18	0.0971	0.0022	1.47	0.0151	---	---	---	---	---	---	---	---	18
19	0.0646	0.948	0.419	0.0488*	---	---	---	---	---	---	---	---	19
20	0.161	1.28	0.0728	1.58*	---	---	---	---	---	---	---	---	20
21	0.0419	1.65	0.0597	0.410*	---	---	---	---	---	---	---	---	21
22	0.0181	0.798	0.0358	0.130*	---	---	---	---	---	---	---	---	22
23	0.0058	0.0971	0.192	0.0273	---	---	---	---	---	---	---	---	23
24	0.0030	0.0419	0.293	0.0222	---	---	---	---	---	---	---	---	24
25	0.0015	0.0252	0.0863	0.0184	---	---	---	---	---	---	---	---	25
26	0.0010	0.0165*	0.0377	0.0152	---	---	---	---	---	---	---	---	26
27	0.0010	0.0120	1.21	0.0105*	---	---	---	---	---	---	---	---	27
28	0.0005	0.0093	0.530	0.0074	---	---	---	---	---	---	---	---	28
29	0.0005		0.0442	0.0047	---	---	---	---	---	---	---	---	29
30	0.0002		0.0195	0.0031	---	---	---	---	---	---	---	---	30
31	0.0002		0.0164		---		---	---		---			31
TOTAL	0.746	6.09	13.0	3.27	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0241	0.217	0.420	0.109	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0415	0.426	0.935	0.295	---	---	---	---	---	---	---	---	ST.D.
MAX	0.161	1.65	4.28	1.58	---	---	---	---	---	---	---	---	MAX
MIN	0.0002	0.0002	0.0038	0.0031	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 23.1

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1547 B1= 1.6439 A2= 0.0000 B2= 0.0000 R^2= 0.8586 N= 25.

TOTAL DAILY DISCHARGE FOR 1991 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.518	0.708	0	0	0	0	---	---	1
2	---	---	---	---	0.475	0.415	0	0	0	0	---	---	2
3	---	---	---	---	0.389	0.242	0	0	0	0	---	---	3
4	---	---	---	---	0.302	0.112	0	0	0	0	---	---	4
5	---	---	---	---	0.285	0.0691	0	0	0	0	---	---	5
6	---	---	---	---	0.363	0.0605	0	0	0	0	---	---	6
7	---	---	---	---	0.294	0.0518	0	0	0	0	---	---	7
8	---	---	---	---	0.207	0.0346	0	0	0	0	---	---	8
9	---	---	---	---	0.320	0.0259	0	0	0	0	---	---	9
10	---	---	---	---	0.311	0.0259	0	0	0	0	---	---	10
11	---	---	---	---	0.259	0.0950	0	0	0	0	---	---	11
12	---	---	---	---	0.225	0.0605	0	0	0	0	---	---	12
13	---	---	---	---	0.207	0.0259	0	0	0	0	---	---	13
14	---	---	---	---	0.173	0.0346	0	0	0	0	---	---	14
15	---	---	---	---	0.138	0.0259	0	0	0	0	---	---	15
16	---	---	---	---	0.112	0.0346	0	0	0	0	---	---	16
17	---	---	---	---	0.164	0.0346	0	0	0	0	---	---	17
18	---	---	---	---	0.0864	0.0259	0	0	0	0	---	---	18
19	---	---	---	---	0.0691	0.0259	0	0	0	0	---	---	19
20	---	---	---	---	0.0605	0.0173	0	0	0	0	---	---	20
21	---	---	---	---	0.0518	0	0	0	0	0	---	---	21
22	---	---	---	---	0.0518	0	0	0	0	0	---	---	22
23	---	---	---	---	0.0432	0	0	0	0	0	---	---	23
24	---	---	---	---	0.0259	0	0	0	0	0.0864	---	---	24
25	---	---	---	---	0.0259	0	0	0	0	0.190	---	---	25
26	---	---	---	---	7.07	0	0	0	0	0	---	---	26
27	---	---	---	---	1.51	0	0	0	0	0.233	---	---	27
28	---	---	---	---	0.899	0	0	0	0	0	---	---	28
29	---		---	---	0.596	0	0	0	0	0	---	---	29
30	---		---	---	2.30	0	0	0	0	0	---	---	30
31	---		---		2.01		0	0		0		---	31
TOTAL	---	---	---	---	19.5	2.13	0	0	0	0.510	---	---	TOTAL
MEAN	---	---	---	---	0.630	0.0708	0	0	0	0.0164	---	---	MEAN
ST.D.	---	---	---	---	1.32	0.147	0	0	0	0.0547	---	---	ST.D.
MAX	---	---	---	---	7.07	0.708	0	0	0	0.233	---	---	MAX
MIN	---	---	---	---	0.0259	0	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 22.2
DRAINAGE AREA (hectares), 410.0

Watershed: Kettle Creek Test

Area: 410. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0321	0.0446	0	0	0	0	---	---	1
2	---	---	---	---	0.0293	0.0254	0	0	0	0	---	---	2
3	---	---	---	---	0.0237	0.0144	0	0	0	0	---	---	3
4	---	---	---	---	0.0182	0.0064	0	0	0	0	---	---	4
5	---	---	---	---	0.0171	0.0039	0	0	0	0	---	---	5
6	---	---	---	---	0.0221	0.0033*	0	0	0	0	---	---	6
7	---	---	---	---	0.0177	0.0029	0	0	0	0	---	---	7
8	---	---	---	---	0.0123	0.0019	0.0004*	0	0	0	---	---	8
9	---	---	---	---	0.0193	0.0014	0	0	0	0	---	---	9
10	---	---	---	---	0.0188	0.0014*	0	0	0	0	---	---	10
11	---	---	---	---	0.0155	0.0054*	0	0	0	0	---	---	11
12	---	---	---	---	0.0133	0.0033*	0	0	0	0	---	---	12
13	---	---	---	---	0.0123	0.0014	0	0	0	0	---	---	13
14	---	---	---	---	0.0101*	0.0019	0	0	0	0	---	---	14
15	---	---	---	---	0.0080	0.0014	0	0	0	0	---	---	15
16	---	---	---	---	0.0064	0.0019	0	0	0	0	---	---	16
17	---	---	---	---	0.0096	0.0019	0	0	0	0	---	---	17
18	---	---	---	---	0.0049	0.0014	0	0	0	0	---	---	18
19	---	---	---	---	0.0039	0.0014	0	0	0	0	---	---	19
20	---	---	---	---	0.0034	0.0009	0	0	0	0	---	---	20
21	---	---	---	---	0.0029	0	0	0	0	0	---	---	21
22	---	---	---	---	0.0029	0	0	0	0	0	---	---	22
23	---	---	---	---	0.0024	0	0	0	0	0	---	---	23
24	---	---	---	---	0.0014	0	0	0	0	0.0049	---	---	24
25	---	---	---	---	0.0015*	0	0	0	0	0.0112	---	---	25
26	---	---	---	---	0.501*	0	0	0	0	0	---	---	26
27	---	---	---	---	0.0990	0	0	0	0	0.0139*	---	---	27
28	---	---	---	---	0.0573*	0	0	0	0	0	---	---	28
29	---	---	---	---	0.0372	0	0	0	0	0	---	---	29
30	---	---	---	---	0.154	0	0	0	0	0	---	---	30
31	---	---	---	---	0.134	---	0	0	---	0	---	---	31
TOTAL	---	---	---	---	1.29	0.126	0.0004	0	0	0.0299	---	---	TOTAL
MEAN	---	---	---	---	0.0416	0.0042	0.0000	0	0	0.0010	---	---	MEAN
ST.D.	---	---	---	---	0.0929	0.0092	0.0001	0	0	0.0032	---	---	ST.D.
MAX	---	---	---	---	0.501	0.0446	0.0004	0	0	0.0139	---	---	MAX
MIN	---	---	---	---	0.0014	0	0	0	0	0	---	---	MIN

TOTAL LOAD FOR YEAR, 1.45

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 80.6496 B1= 1.0516 A2= 0.0000 B2= 0.0000 R^2= 0.6463 N= 22.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0966	0.134	0	0	0	0	---	---	1
2	---	---	---	---	0.0883	0.0766	0	0	0	0	---	---	2
3	---	---	---	---	0.0716	0.0437	0	0	0	0	---	---	3
4	---	---	---	---	0.0551	0.0196	0	0	0	0	---	---	4
5	---	---	---	---	0.0518	0.0118	0	0	0	0	---	---	5
6	---	---	---	---	0.0666	0.0102*	0	0	0	0	---	---	6
7	---	---	---	---	0.0535	0.0088	0	0	0	0	---	---	7
8	---	---	---	---	0.0372	0.0057	0.0012*	0	0	0	---	---	8
9	---	---	---	---	0.0584	0.0043	0	0	0	0	---	---	9
10	---	---	---	---	0.0567	0.0044*	0	0	0	0	---	---	10
11	---	---	---	---	0.0469	0.0165*	0	0	0	0	---	---	11
12	---	---	---	---	0.0404	0.0102*	0	0	0	0	---	---	12
13	---	---	---	---	0.0372	0.0043	0	0	0	0	---	---	13
14	---	---	---	---	0.0307*	0.0057	0	0	0	0	---	---	14
15	---	---	---	---	0.0244	0.0043	0	0	0	0	---	---	15
16	---	---	---	---	0.0196	0.0057	0	0	0	0	---	---	16
17	---	---	---	---	0.0291	0.0057	0	0	0	0	---	---	17
18	---	---	---	---	0.0149	0.0043	0	0	0	0	---	---	18
19	---	---	---	---	0.0118	0.0043	0	0	0	0	---	---	19
20	---	---	---	---	0.0103	0.0028	0	0	0	0	---	---	20
21	---	---	---	---	0.0088	0	0	0	0	0	---	---	21
22	---	---	---	---	0.0088	0	0	0	0	0	---	---	22
23	---	---	---	---	0.0072	0	0	0	0	0	---	---	23
24	---	---	---	---	0.0043	0	0	0	0	0.0149	---	---	24
25	---	---	---	---	0.0045*	0	0	0	0	0.0340	---	---	25
26	---	---	---	---	1.47*	0	0	0	0	0	---	---	26
27	---	---	---	---	0.295	0	0	0	0	0.0420*	---	---	27
28	---	---	---	---	0.171*	0	0	0	0	0	---	---	28
29	---		---	---	0.112	0	0	0	0	0	---	---	29
30	---		---	---	0.457	0	0	0	0	0	---	---	30
31	---		---		0.398		0	0		0		---	31
TOTAL	---	---	---	---	3.84	0.383	0.0012	0	0	0.0909	---	---	TOTAL
MEAN	---	---	---	---	0.124	0.0128	0.0000	0	0	0.0029	---	---	MEAN
ST.D.	---	---	---	---	0.273	0.0276	0.0002	0	0	0.0098	---	---	ST.D.
MAX	---	---	---	---	1.47	0.134	0.0012	0	0	0.0420	---	---	MAX
MIN	---	---	---	---	0.0043	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 4.31

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2318 B1= 1.0426 A2= 0.0000 B2= 0.0000 R^2= 0.7251 N= 22.

Watershed: Kettle Creek Test

Area: 410. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0160	0.0234	0	0	0	0	---	---	1
2	---	---	---	---	0.0144	0.0121	0	0	0	0	---	---	2
3	---	---	---	---	0.0112	0.0063	0	0	0	0	---	---	3
4	---	---	---	---	0.0082	0.0024	0	0	0	0	---	---	4
5	---	---	---	---	0.0077	0.0013	0	0	0	0	---	---	5
6	---	---	---	---	0.0103	0.0011*	0	0	0	0	---	---	6
7	---	---	---	---	0.0080	0.0009	0	0	0	0	---	---	7
8	---	---	---	---	0.0052	0.0006	0.0001*	0	0	0	---	---	8
9	---	---	---	---	0.0088	0.0004	0	0	0	0	---	---	9
10	---	---	---	---	0.0085	0.0004*	0	0	0	0	---	---	10
11	---	---	---	---	0.0068	0.0020*	0	0	0	0	---	---	11
12	---	---	---	---	0.0057	0.0011*	0	0	0	0	---	---	12
13	---	---	---	---	0.0052	0.0004	0	0	0	0	---	---	13
14	---	---	---	---	0.0041*	0.0006	0	0	0	0	---	---	14
15	---	---	---	---	0.0032	0.0004	0	0	0	0	---	---	15
16	---	---	---	---	0.0024	0.0006	0	0	0	0	---	---	16
17	---	---	---	---	0.0039	0.0006	0	0	0	0	---	---	17
18	---	---	---	---	0.0018	0.0004	0	0	0	0	---	---	18
19	---	---	---	---	0.0013	0.0004	0	0	0	0	---	---	19
20	---	---	---	---	0.0011	0.0002	0	0	0	0	---	---	20
21	---	---	---	---	0.0009	0	0	0	0	0	---	---	21
22	---	---	---	---	0.0009	0	0	0	0	0	---	---	22
23	---	---	---	---	0.0008	0	0	0	0	0	---	---	23
24	---	---	---	---	0.0004	0	0	0	0	0.0018	---	---	24
25	---	---	---	---	0.0004*	0	0	0	0	0.0047	---	---	25
26	---	---	---	---	0.395*	0	0	0	0	0	---	---	26
27	---	---	---	---	0.0595	0	0	0	0	0.0060*	---	---	27
28	---	---	---	---	0.0314*	0	0	0	0	0	---	---	28
29	---	---	---	---	0.0190	0	0	0	0	0	---	---	29
30	---		---	---	0.0994	0	0	0	0	0	---	---	30
31	---		---		0.0845		0	0		0		---	31
TOTAL	---	---	---	---	0.826	0.0558	0.0001	0	0	0.0124	---	---	TOTAL
MEAN	---	---	---	---	0.0266	0.0019	0	0	0	0.0004	---	---	MEAN
ST.D.	---	---	---	---	0.0724	0.0047	0.0000	0	0	0.0014	---	---	ST.D.
MAX	---	---	---	---	0.395	0.0234	0.0001	0	0	0.0060	---	---	MAX
MIN	---	---	---	---	0.0004	0	0	0	0	0	---	---	MIN

TOTAL LOAD FOR YEAR, 0.894

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0989 B1= 1.2280 A2= 0.0000 B2= 0.0000 R^2= 0.7569 N= 22.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.244*	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0743*	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0683	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0445	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0154	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0125	6
7	---	---	---	---	---	---	---	---	---	---	0	1.67*	7
8	---	---	---	---	---	---	---	---	---	---	0	8.19*	8
9	---	---	---	---	---	---	---	---	---	---	0	4.04*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.813*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.308	11
12	---	---	---	---	---	---	---	---	---	---	0	0.263	12
13	---	---	---	---	---	---	---	---	---	---	0	0.766	13
14	---	---	---	---	---	---	---	---	---	---	0	0.421	14
15	---	---	---	---	---	---	---	---	---	---	0	0.173	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0713*	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0528	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0288	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0111	19
20	---	---	---	---	---	---	---	---	---	---	0.706*	0.0154	20
21	---	---	---	---	---	---	---	---	---	---	0.542*	0.0255	21
22	---	---	---	---	---	---	---	---	---	---	0.0418*	0.0255	22
23	---	---	---	---	---	---	---	---	---	---	0.0132	0.0271	23
24	---	---	---	---	---	---	---	---	---	---	0.0169	0.0231	24
25	---	---	---	---	---	---	---	---	---	---	0.0040*	0.0169	25
26	---	---	---	---	---	---	---	---	---	---	0.0020	0.0125	26
27	---	---	---	---	---	---	---	---	---	---	0.0015	0.0146	27
28	---	---	---	---	---	---	---	---	---	---	0.0030	0.0125	28
29	---	---	---	---	---	---	---	---	---	---	3.22*	0.0296	29
30	---	---	---	---	---	---	---	---	---	---	1.96*	0.0753	30
31	---	---	---	---	---	---	---	---	---	---	---	0.0427	31
TOTAL	---	---	---	---	---	---	---	---	---	---	6.50	17.6	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.217	0.567	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.684	1.61	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	3.22	8.19	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.0111	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 24.1

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2970 B1= 1.2466 A2= 0.0000 B2= 0.0000 R^2= 0.9212 N= 22.

Watershed: Kettle Creek Test Area: 410. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0291*	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0077*	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0070	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0043	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0013	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0010	6
7	---	---	---	---	---	---	---	---	---	---	0	0.251*	7
8	---	---	---	---	---	---	---	---	---	---	0	1.48*	8
9	---	---	---	---	---	---	---	---	---	---	0	0.672*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.112*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0377	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0317	12
13	---	---	---	---	---	---	---	---	---	---	0	0.105	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0535	14
15	---	---	---	---	---	---	---	---	---	---	0	0.0197	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0073*	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0052	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0027	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0009	19
20	---	---	---	---	---	---	---	---	---	---	0.0954*	0.0013	20
21	---	---	---	---	---	---	---	---	---	---	0.0710*	0.0023	21
22	---	---	---	---	---	---	---	---	---	---	0.0040*	0.0023	22
23	---	---	---	---	---	---	---	---	---	---	0.0011	0.0025	23
24	---	---	---	---	---	---	---	---	---	---	0.0015	0.0021	24
25	---	---	---	---	---	---	---	---	---	---	0.0003*	0.0015	25
26	---	---	---	---	---	---	---	---	---	---	0.0001	0.0010	26
27	---	---	---	---	---	---	---	---	---	---	0.0001	0.0012	27
28	---	---	---	---	---	---	---	---	---	---	0.0002	0.0010	28
29	---		---	---	---	---	---	---	---	---	0.520*	0.0027	29
30	---		---	---	---		---	---	---	---	0.299*	0.0078	30
31	---		---		---			---		---		0.0041	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.993	2.86	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0331	0.0922	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.109	0.287	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.520	1.48	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.0009	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 3.85

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 61.5177 B1= 1.3948 A2= 0.0000 B2= 0.0000 R^2= 0.9150 N= 27.

TOTAL DAILY DISCHARGE FOR 1991 Kettle Creek Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	2.06	1
2	---	---	---	---	---	---	---	---	---	---	0	0.795	2
3	---	---	---	---	---	---	---	---	---	---	0	0.743	3
4	---	---	---	---	---	---	---	---	---	---	0	0.527	4
5	---	---	---	---	---	---	---	---	---	---	0	0.225	5
6	---	---	---	---	---	---	---	---	---	---	0	0.190	6
7	---	---	---	---	---	---	---	---	---	---	0	9.68	7
8	---	---	---	---	---	---	---	---	---	---	0	34.6	8
9	---	---	---	---	---	---	---	---	---	---	0	19.6	9
10	---	---	---	---	---	---	---	---	---	---	0	5.42	10
11	---	---	---	---	---	---	---	---	---	---	0	2.49	11
12	---	---	---	---	---	---	---	---	---	---	0	2.19	12
13	---	---	---	---	---	---	---	---	---	---	0	5.17	13
14	---	---	---	---	---	---	---	---	---	---	0	3.20	14
15	---	---	---	---	---	---	---	---	---	---	0	1.56	15
16	---	---	---	---	---	---	---	---	---	---	0	0.769	16
17	---	---	---	---	---	---	---	---	---	---	0	0.605	17
18	---	---	---	---	---	---	---	---	---	---	0	0.372	18
19	---	---	---	---	---	---	---	---	---	---	0	0.173	19
20	---	---	---	---	---	---	---	---	---	---	4.84	0.225	20
21	---	---	---	---	---	---	---	---	---	---	3.91	0.337	21
22	---	---	---	---	---	---	---	---	---	---	0.501	0.337	22
23	---	---	---	---	---	---	---	---	---	---	0.199	0.354	23
24	---	---	---	---	---	---	---	---	---	---	0.242	0.311	24
25	---	---	---	---	---	---	---	---	---	---	0.0778	0.242	25
26	---	---	---	---	---	---	---	---	---	---	0.0432	0.190	26
27	---	---	---	---	---	---	---	---	---	---	0.0346	0.216	27
28	---	---	---	---	---	---	---	---	---	---	0.0605	0.190	28
29	---		---	---	---	---	---	---	---	---	16.3	0.380	29
30	---		---	---	---	---	---	---	---	---	11.0	0.804	30
31	---		---		---		---	---		---		0.510	31
TOTAL	---	---	---	---	---	---	---	---	---	---	37.2	94.4	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	1.24	3.05	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	3.62	7.01	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	16.3	34.6	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.173	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 131
DRAINAGE AREA (hectares), 410.0

KETTLE CREEK CONTROL WATER QUALITY LOADS

TOTAL DAILY DISCHARGE FOR 1989 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.09	2.78	0.0864	3.78	---	---	---	---	---	---	---	---	1
2	0.842	1.44	0.0684	3.59	---	---	---	---	---	---	---	---	2
3	0.590	0.911	0	13.9	---	---	---	---	---	---	---	---	3
4	0.356	0.562	2.05	11.4	---	---	---	---	---	---	---	---	4
5	0.259	0.364	4.86	5.72	---	---	---	---	---	---	---	---	5
6	0.281	0.313	0.986	4.81	---	---	---	---	---	---	---	---	6
7	0.796	0.259	0.540	2.56	---	---	---	---	---	---	---	---	7
8	18.4	0.173	0.256	1.83	---	---	---	---	---	---	---	---	8
9	2.52	0.0972	0.403	1.51	---	---	---	---	---	---	---	---	9
10	0.918	0.0684	1.63	1.44	---	---	---	---	---	---	---	---	10
11	0.504	0.0504	1.80	1.40	---	---	---	---	---	---	---	---	11
12	3.16	0.0180	1.38	1.95	---	---	---	---	---	---	---	---	12
13	1.32	0.0180	0.965	3.48	---	---	---	---	---	---	---	---	13
14	0.500	1.40	1.10	2.00	---	---	---	---	---	---	---	---	14
15	0.371	0.515	2.64	11.0	---	---	---	---	---	---	---	---	15
16	0.288	0.256	1.01	2.87	---	---	---	---	---	---	---	---	16
17	0.259	0.173	0.835	7.98	---	---	---	---	---	---	---	---	17
18	0.846	0.122	60.6	5.53	---	---	---	---	---	---	---	---	18
19	1.12	0.0864	8.64	2.35	---	---	---	---	---	---	---	---	19
20	0.518	0.0864	5.18	1.68	---	---	---	---	---	---	---	---	20
21	0.292	2.14	2.59	1.25	---	---	---	---	---	---	---	---	21
22	0.259	0.731	3.46	0.853	---	---	---	---	---	---	---	---	22
23	0.605	0.256	4.32	0.576	---	---	---	---	---	---	---	---	23
24	1.05	0.173	5.89	0.472	---	---	---	---	---	---	---	---	24
25	0.842	0.0864	8.40	0.436	---	---	---	---	---	---	---	---	25
26	10.3	0.0864	6.78	0.493	---	---	---	---	---	---	---	---	26
27	1.82	0.0864	7.20	0.425	---	---	---	---	---	---	---	---	27
28	1.16	0.0864	14.6	0.346	---	---	---	---	---	---	---	---	28
29	3.84		12.5	0.346	---	---	---	---	---	---	---	---	29
30	4.69		6.34	0.328	---	---	---	---	---	---	---	---	30
31	2.38		4.71		---		---	---		---		---	31
TOTAL	62.2	13.3	171	96.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.01	0.476	5.54	3.21	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.63	0.681	10.9	3.57	---	---	---	---	---	---	---	---	ST.D.
MAX	18.4	2.78	60.6	13.9	---	---	---	---	---	---	---	---	MAX
MIN	0.259	0.0180	0	0.328	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 343
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0077	0.0301	0.0002	0.0468	---	---	---	---	---	---	---	---	1
2	0.0053	0.0116	0.0002	0.0435*	---	---	---	---	---	---	---	---	2
3	0.0032	0.0059	0	0.354*	---	---	---	---	---	---	---	---	3
4	0.0015	0.0029	0.0307	0.249*	---	---	---	---	---	---	---	---	4
5	0.0010	0.0016	0.0749	0.0884*	---	---	---	---	---	---	---	---	5
6	0.0011	0.0013	0.0067	0.0675*	---	---	---	---	---	---	---	---	6
7	0.0108	0.0010	0.0028	0.0266*	---	---	---	---	---	---	---	---	7
8	0.559	0.0005	0.0010	0.0164*	---	---	---	---	---	---	---	---	8
9	0.0267	0.0002	0.0021	0.0123	---	---	---	---	---	---	---	---	9
10	0.0060	0.0002	0.0143	0.0115	---	---	---	---	---	---	---	---	10
11	0.0025*	0.0001	0.0167*	0.0111	---	---	---	---	---	---	---	---	11
12	0.0420	0.0000	0.0110*	0.0201	---	---	---	---	---	---	---	---	12
13	0.0105	0.0000	0.0064	0.0419	---	---	---	---	---	---	---	---	13
14	0.0025	0.0128	0.0082*	0.0186	---	---	---	---	---	---	---	---	14
15	0.0016	0.0026	0.0291*	0.257	---	---	---	---	---	---	---	---	15
16	0.0011	0.0009	0.0069	0.0317	---	---	---	---	---	---	---	---	16
17	0.0010	0.0005*	0.0052	0.179	---	---	---	---	---	---	---	---	17
18	0.0066	0.0003	2.86	0.0853	---	---	---	---	---	---	---	---	18
19	0.0082	0.0002	0.155	0.0235	---	---	---	---	---	---	---	---	19
20	0.0026	0.0002	0.0740	0.0144	---	---	---	---	---	---	---	---	20
21	0.0011	0.0296	0.0270	0.0094	---	---	---	---	---	---	---	---	21
22	0.0010	0.0045	0.0411	0.0054	---	---	---	---	---	---	---	---	22
23	0.0039	0.0009	0.0568	0.0031	---	---	---	---	---	---	---	---	23
24	0.0074	0.0005	0.0927	0.0023	---	---	---	---	---	---	---	---	24
25	0.0055	0.0002	0.151	0.0020	---	---	---	---	---	---	---	---	25
26	0.240	0.0002	0.110	0.0024	---	---	---	---	---	---	---	---	26
27	0.0165	0.0002	0.120	0.0020	---	---	---	---	---	---	---	---	27
28	0.0085	0.0002	0.332	0.0014	---	---	---	---	---	---	---	---	28
29	0.0672		0.275	0.0014*	---	---	---	---	---	---	---	---	29
30	0.0661		0.0995	0.0013*	---	---	---	---	---	---	---	---	30
31	0.0242		0.0643		---		---	---		---			31
TOTAL	1.14	0.110	4.68	1.63	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0368	0.0039	0.151	0.0543	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.107	0.0080	0.509	0.0883	---	---	---	---	---	---	---	---	ST.D.
MAX	0.559	0.0301	2.86	0.354	---	---	---	---	---	---	---	---	MAX
MIN	0.0010	0.0000	0	0.0013	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 7.56

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 50.9797 B1= 1.4525 A2= 0.0000 B2= 0.0000 R^2= 0.7725 N= 26.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0994	0.321	0.0042	0.470	---	---	---	---	---	---	---	---	1
2	0.0720	0.141	0.0033	0.441*	---	---	---	---	---	---	---	---	2
3	0.0462	0.0795	0	2.56*	---	---	---	---	---	---	---	---	3
4	0.0247	0.0434	0.282	1.93*	---	---	---	---	---	---	---	---	4
5	0.0165	0.0252	0.678	0.802*	---	---	---	---	---	---	---	---	5
6	0.0183	0.0209	0.0881	0.640*	---	---	---	---	---	---	---	---	6
7	0.0987	0.0165	0.0417	0.289*	---	---	---	---	---	---	---	---	7
8	3.72	0.0099	0.0164	0.190*	---	---	---	---	---	---	---	---	8
9	0.287	0.0049	0.0305	0.149	---	---	---	---	---	---	---	---	9
10	0.0804	0.0033	0.167	0.140	---	---	---	---	---	---	---	---	10
11	0.0380*	0.0024	0.190*	0.136	---	---	---	---	---	---	---	---	11
12	0.406	0.0009	0.134*	0.217	---	---	---	---	---	---	---	---	12
13	0.128	0.0009	0.0853	0.425	---	---	---	---	---	---	---	---	13
14	0.0376	0.146	0.103*	0.212	---	---	---	---	---	---	---	---	14
15	0.0258	0.0392	0.307*	1.92	---	---	---	---	---	---	---	---	15
16	0.0189	0.0163	0.0905	0.335	---	---	---	---	---	---	---	---	16
17	0.0165	0.0099*	0.0713	1.36	---	---	---	---	---	---	---	---	17
18	0.0807	0.0066	15.7	0.774	---	---	---	---	---	---	---	---	18
19	0.104	0.0042	1.32	0.260	---	---	---	---	---	---	---	---	19
20	0.0394	0.0042	0.697	0.170	---	---	---	---	---	---	---	---	20
21	0.0192	0.280	0.293	0.118	---	---	---	---	---	---	---	---	21
22	0.0165	0.0617	0.420	0.0732	---	---	---	---	---	---	---	---	22
23	0.0516	0.0163	0.555	0.0448	---	---	---	---	---	---	---	---	23
24	0.0959	0.0100	0.834	0.0349	---	---	---	---	---	---	---	---	24
25	0.0733	0.0042	1.28	0.0316	---	---	---	---	---	---	---	---	25
26	1.80	0.0042	0.980	0.0369	---	---	---	---	---	---	---	---	26
27	0.190	0.0042	1.05	0.0306	---	---	---	---	---	---	---	---	27
28	0.108	0.0042	2.54	0.0236	---	---	---	---	---	---	---	---	28
29	0.569		2.13	0.0236*	---	---	---	---	---	---	---	---	29
30	0.625		0.899	0.0221*	---	---	---	---	---	---	---	---	30
31	0.265		0.618		---		---	---		---			31
TOTAL	9.17	1.28	31.6	13.9	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.296	0.0457	1.02	0.462	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.720	0.0816	2.80	0.648	---	---	---	---	---	---	---	---	ST.D.
MAX	3.72	0.321	15.7	2.56	---	---	---	---	---	---	---	---	MAX
MIN	0.0165	0.0009	0	0.0221	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 55.9

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2719 B1= 1.2501 A2= 0.0000 B2= 0.0000 R^2= 0.9555 N= 26.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0305	0.0858	0.0019	0.120	---	---	---	---	---	---	---	---	1
2	0.0230	0.0416	0.0015	0.114*	---	---	---	---	---	---	---	---	2
3	0.0155	0.0250	[illegible]	0.521*	---	---	---	---	---	---	---	---	3
4	0.0089	0.0147	0.0680	0.413*	---	---	---	---	---	---	---	---	4
5	0.0062	0.0091	0.162	0.192*	---	---	---	---	---	---	---	---	5
6	0.0068	0.0077	0.0274	0.158*	---	---	---	---	---	---	---	---	6
7	0.0248	0.0062	0.0141	0.0783*	---	---	---	---	---	---	---	---	7
8	0.717	0.0040	0.0062	0.0541*	---	---	---	---	---	---	---	---	8
9	0.0772	0.0021	0.0104	0.0437	---	---	---	---	---	---	---	---	9
10	0.0253	0.0015	0.0478	0.0414	---	---	---	---	---	---	---	---	10
11	0.0130*	0.0011	0.0536*	0.0401	---	---	---	---	---	---	---	---	11
12	0.102	0.0004	0.0396	0.0592	---	---	---	---	---	---	---	---	12
13	0.0378	0.0004	0.0267	0.110	---	---	---	---	---	---	---	---	13
14	0.0129	0.0413	0.0310*	0.0596	---	---	---	---	---	---	---	---	14
15	0.0093	0.0134	0.0818*	0.402	---	---	---	---	---	---	---	---	15
16	0.0070	0.0062	0.0281	0.0891	---	---	---	---	---	---	---	---	16
17	0.0062	0.0040*	0.0227	0.288	---	---	---	---	---	---	---	---	17
18	0.0240	0.0027	2.62	0.185	---	---	---	---	---	---	---	---	18
19	0.0316	0.0019	0.300	0.0713	---	---	---	---	---	---	---	---	19
20	0.0134	0.0019	0.171	0.0491	---	---	---	---	---	---	---	---	20
21	0.0071	0.0693	0.0794	0.0356	---	---	---	---	---	---	---	---	21
22	0.0062	0.0198	0.109	0.0233	---	---	---	---	---	---	---	---	22
23	0.0164	0.0062	0.140	0.0151	---	---	---	---	---	---	---	---	23
24	0.0295	0.0040	0.198	0.0121	---	---	---	---	---	---	---	---	24
25	0.0231	0.0019	0.291	0.0111	---	---	---	---	---	---	---	---	25
26	0.376	0.0019	0.230	0.0127	---	---	---	---	---	---	---	---	26
27	0.0539	0.0019	0.245	0.0108	---	---	---	---	---	---	---	---	27
28	0.0328	0.0019	0.534	0.0086	---	---	---	---	---	---	---	---	28
29	0.131		0.454	0.0086*	---	---	---	---	---	---	---	---	29
30	0.154		0.213	0.0081*	---	---	---	---	---	---	---	---	30
31	0.0725		0.153		---		---	---		---			31
TOTAL	2.09	0.378	6.36	3.23	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0676	0.0135	0.205	0.108	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.140	0.0213	0.467	0.133	---	---	---	---	---	---	---	---	ST.D.
MAX	0.717	0.0858	2.62	0.521	---	---	---	---	---	---	---	---	MAX
MIN	0.0062	0.0004	0	0.0081	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 12.1

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0441 B1= 1.1043 A2= 0.0000 B2= 0.0000 R^2= 0.8526 N= 25.

TOTAL DAILY DISCHARGE FOR 1989 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.270	0.374	0	0	0	0	---	---	1
2	---	---	---	---	0.320	1.42	0	0	0	0	---	---	2
3	---	---	---	---	0.266	0.796	0	0	0	0	---	---	3
4	---	---	---	---	0.259	1.14	0	0	0	0	---	---	4
5	---	---	---	---	0.396	0.403	0	0	0	0	---	---	5
6	---	---	---	---	0.317	0.277	0	0	0	0	---	---	6
7	---	---	---	---	0.259	0.173	0	0	0	0	---	---	7
8	---	---	---	---	0.259	0.112	0	0	0	0	---	---	8
9	---	---	---	---	0.216	0.0864	0	0	0	0	---	---	9
10	---	---	---	---	0.180	0.0720	0	0	0	0	---	---	10
11	---	---	---	---	0.227	0.0216	0	0	0	0	---	---	11
12	---	---	---	---	0.644	0.0180	0	0	0	0	---	---	12
13	---	---	---	---	0.698	0.0864	0	0	0	0	---	---	13
14	---	---	---	---	0.439	0.0864	0	0	0	0	---	---	14
15	---	---	---	---	0.346	0.0864	0	0	0	0	---	---	15
16	---	---	---	---	0.259	0.0864	0	0	0	0	---	---	16
17	---	---	---	---	0.173	0.115	0	0	0	0	---	---	17
18	---	---	---	---	0.151	0.130	0	0	0	0	---	---	18
19	---	---	---	---	0.104	0.421	0	0	0	0	---	---	19
20	---	---	---	---	0.151	1.45	0	0	0	0	---	---	20
21	---	---	---	---	0.194	0.450	0	0	0	0	---	---	21
22	---	---	---	---	0.112	2.23	0	0	0	0	---	---	22
23	---	---	---	---	0.108	0.695	0	0	0	0	---	---	23
24	---	---	---	---	0.194	0.342	0	0	0	0	---	---	24
25	---	---	---	---	0.209	0.223	6.90	0	0	0	---	---	25
26	---	---	---	---	1.91	0.137	0.767	0	0	0	---	---	26
27	---	---	---	---	0.418	0.0864	0.223	0	0	0	---	---	27
28	---	---	---	---	0.248	0.0684	0.130	0	0	0	---	---	28
29	---		---	---	0.173	0	0.0396	0	0	0	---	---	29
30	---		---	---	0.436	0	0	0	0	0	---	---	30
31	---		---		0.364		0	0		0		---	31
TOTAL	---	---	---	---	10.3	11.6	8.06	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.332	0.386	0.260	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.324	0.529	1.24	0	0	0	---	---	ST.D.
MAX	---	---	---	---	1.91	2.23	6.90	0	0	0	---	---	MAX
MIN	---	---	---	---	0.104	0	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 30.0
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0019	0.0036	0	0	0	0	---	---	1
2	---	---	---	---	0.0027	0.0556	0	0	0	0	---	---	2
3	---	---	---	---	0.0019	0.0203*	0	0	0	0	---	---	3
4	---	---	---	---	0.0018	0.0338*	0	0	0	0	---	---	4
5	---	---	---	---	0.0041	0.0042*	0	0	0	0	---	---	5
6	---	---	---	---	0.0026	0.0021	0	0	0	0	---	---	6
7	---	---	---	---	0.0018	0.0008	0	0	0	0	---	---	7
8	---	---	---	---	0.0018	0.0004	0	0	0	0	---	---	8
9	---	---	---	---	0.0013	0.0002	0	0	0	0	---	---	9
10	---	---	---	---	0.0009	0.0002	0	0	0	0	---	---	10
11	---	---	---	---	0.0014*	0.0001	0	0	0	0	---	---	11
12	---	---	---	---	0.0124*	0.0000	0	0	0	0	---	---	12
13	---	---	---	---	0.0121*	0.0002	0	0	0	0	---	---	13
14	---	---	---	---	0.0049*	0.0002	0	0	0	0	---	---	14
15	---	---	---	---	0.0032*	0.0002	0	0	0	0	---	---	15
16	---	---	---	---	0.0018	0.0002	0	0	0	0	---	---	16
17	---	---	---	---	0.0008	0.0004	0	0	0	0	---	---	17
18	---	---	---	---	0.0007	0.0005	0	0	0	0	---	---	18
19	---	---	---	---	0.0003	0.0122*	0	0	0	0	---	---	19
20	---	---	---	---	0.0007	0.0553*	0	0	0	0	---	---	20
21	---	---	---	---	0.0011	0.0052*	0	0	0	0	---	---	21
22	---	---	---	---	0.0004	0.122*	0	0	0	0	---	---	22
23	---	---	---	---	0.0004	0.0126*	0	0	0	0	---	---	23
24	---	---	---	---	0.0011	0.0031*	0	0	0	0	---	---	24
25	---	---	---	---	0.0012*	0.0014	3.39*	0	0	0	---	---	25
26	---	---	---	---	0.0945*	0.0006*	0.0178*	0	0	0	---	---	26
27	---	---	---	---	0.0045*	0.0002	0.0014*	0	0	0	---	---	27
28	---	---	---	---	0.0017*	0.0002	0.0005*	0	0	0	---	---	28
29	---		---	---	0.0008	0	0.0001	0	0	0	---	---	29
30	---		---	---	0.0054	0	0	0	0	0	---	---	30
31	---		---		0.0034		0	0		0		---	31
TOTAL	---	---	---	---	0.173	0.336	3.41	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.0056	0.0112	0.110	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.0168	0.0257	0.609	0	0	0	---	---	ST.D.
MAX	---	---	---	---	0.0945	0.122	3.39	0	0	0	---	---	MAX
MIN	---	---	---	---	0.0003	0	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 3.92

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1218.0642 B1= 1.8918 A2= 0.0000 B2= 0.0000 R^2= 0.8535 N= 53.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0408	0.0685	0	0	0	0	---	---	1
2	---	---	---	---	0.0535	0.631	0	0	0	0	---	---	2
3	---	---	---	---	0.0399	0.264*	0	0	0	0	---	---	3
4	---	---	---	---	0.0381	0.425*	0	0	0	0	---	---	4
5	---	---	---	---	0.0752	0.0774*	0	0	0	0	---	---	5
6	---	---	---	---	0.0526	0.0429	0	0	0	0	---	---	6
7	---	---	---	---	0.0381	0.0201	0	0	0	0	---	---	7
8	---	---	---	---	0.0381	0.0106	0	0	0	0	---	---	8
9	---	---	---	---	0.0291	0.0067	0	0	0	0	---	---	9
10	---	---	---	---	0.0216	0.0056	0	0	0	0	---	---	10
11	---	---	---	---	0.0313*	0.0017	0	0	0	0	---	---	11
12	---	---	---	---	0.181*	0.0014	0	0	0	0	---	---	12
13	---	---	---	---	0.186*	0.0067	0	0	0	0	---	---	13
14	---	---	---	---	0.0879*	0.0067	0	0	0	0	---	---	14
15	---	---	---	---	0.0610*	0.0067	0	0	0	0	---	---	15
16	---	---	---	---	0.0381	0.0067	0	0	0	0	---	---	16
17	---	---	---	---	0.0201	0.0112	0	0	0	0	---	---	17
18	---	---	---	---	0.0168	0.0134	0	0	0	0	---	---	18
19	---	---	---	---	0.0095	0.151*	0	0	0	0	---	---	19
20	---	---	---	---	0.0173	0.634*	0	0	0	0	---	---	20
21	---	---	---	---	0.0246	0.0923*	0	0	0	0	---	---	21
22	---	---	---	---	0.0106	1.23*	0	0	0	0	---	---	22
23	---	---	---	---	0.0101	0.189*	0	0	0	0	---	---	23
24	---	---	---	---	0.0246	0.0600*	0	0	0	0	---	---	24
25	---	---	---	---	0.0278*	0.0306	15.5*	0	0	0	---	---	25
26	---	---	---	---	0.989*	0.0145*	0.242*	0	0	0	---	---	26
27	---	---	---	---	0.0816*	0.0067	0.0306*	0	0	0	---	---	27
28	---	---	---	---	0.0360*	0.0053	0.0134*	0	0	0	---	---	28
29	---	---	---	---	0.0201	0	0.0031	0	0	0	---	---	29
30	---		---	---	0.0925	0	0	0		0		---	30
31	---		---		0.0652		0	0		0			31
TOTAL	---	---	---	---	2.46	4.02	15.8	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.0793	0.134	0.509	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.174	0.270	2.78	0	0	0	---	---	ST.D.
MAX	---	---	---	---	0.989	1.23	15.5	0	0	0	---	---	MAX
MIN	---	---	---	---	0.0095	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 22.2

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 4.1621 B1= 1.5756 A2= 0.0000 B2= 0.0000 R^2= 0.9233 N= 53.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0270	0.0395	0	0	0	0	---	---	1
2	---	---	---	---	0.0330	0.190	0	0	0	0	---	---	2
3	---	---	---	---	0.0266	0.0977*	0	0	0	0	---	---	3
4	---	---	---	---	0.0258	0.146*	0	0	0	0	---	---	4
5	---	---	---	---	0.0422	0.0431*	0	0	0	0	---	---	5
6	---	---	---	---	0.0326	0.0279	0	0	0	0	---	---	6
7	---	---	---	---	0.0258	0.0161	0	0	0	0	---	---	7
8	---	---	---	---	0.0258	0.0098	0	0	0	0	---	---	8
9	---	---	---	---	0.0209	0.0072	0	0	0	0	---	---	9
10	---	---	---	---	0.0169	0.0060	0	0	0	0	---	---	10
11	---	---	---	---	0.0221*	0.0018	0	0	0	0	---	---	11
12	---	---	---	---	0.0759*	0.0015	0	0	0	0	---	---	12
13	---	---	---	---	0.0815*	0.0072	0	0	0	0	---	---	13
14	---	---	---	---	0.0475*	0.0072	0	0	0	0	---	---	14
15	---	---	---	---	0.0361*	0.0072	0	0	0	0	---	---	15
16	---	---	---	---	0.0258	0.0072	0	0	0	0	---	---	16
17	---	---	---	---	0.0161	0.0102	0	0	0	0	---	---	17
18	---	---	---	---	0.0139	0.0117	0	0	0	0	---	---	18
19	---	---	---	---	0.0091	0.0522*	0	0	0	0	---	---	19
20	---	---	---	---	0.0140	0.193*	0	0	0	0	---	---	20
21	---	---	---	---	0.0185	0.0490*	0	0	0	0	---	---	21
22	---	---	---	---	0.0098	0.317*	0	0	0	0	---	---	22
23	---	---	---	---	0.0094	0.0815*	0	0	0	0	---	---	23
24	---	---	---	---	0.0185	0.0357*	0	0	0	0	---	---	24
25	---	---	---	---	0.0202*	0.0217	1.43*	0	0	0	---	---	25
26	---	---	---	---	0.266*	0.0124*	0.0931*	0	0	0	---	---	26
27	---	---	---	---	0.0449*	0.0072	0.0217*	0	0	0	---	---	27
28	---	---	---	---	0.0246*	0.0057	0.0117*	0	0	0	---	---	28
29	---	---	---	---	0.0161	0	0.0033	0	0	0	---	---	29
30	---		---	---	0.0477	0	0	0	0	0	---	---	30
31	---		---		0.0382		0	0		0		---	31
TOTAL	---	---	---	---	1.13	1.41	1.56	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.0365	0.0471	0.0502	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.0459	0.0736	0.256	0	0	0	---	---	ST.D.
MAX	---	---	---	---	0.266	0.317	1.43	0	0	0	---	---	MAX
MIN	---	---	---	---	0.0091	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 4.10

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2489 B1= 1.1580 A2= 0.0000 B2= 0.0000 R^2= 0.7985 N= 53.

TOTAL DAILY DISCHARGE FOR 1989 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.792	1
2	---	---	---	---	---	---	---	---	---	---	0	0.752	2
3	---	---	---	---	---	---	---	---	---	---	0	0.598	3
4	---	---	---	---	---	---	---	---	---	---	0	0.385	4
5	---	---	---	---	---	---	---	---	---	---	0	0.346	5
6	---	---	---	---	---	---	---	---	---	---	0	0.259	6
7	---	---	---	---	---	---	---	---	---	---	0	0.281	7
8	---	---	---	---	---	---	---	---	---	---	0	0.259	8
9	---	---	---	---	---	---	---	---	---	---	0	0.173	9
10	---	---	---	---	---	---	---	---	---	---	0	0.173	10
11	---	---	---	---	---	---	---	---	---	---	0	0.155	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0864	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0864	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0648	14
15	---	---	---	---	---	---	---	---	---	---	0.238	0.0720	15
16	---	---	---	---	---	---	---	---	---	---	5.51	0.0180	16
17	---	---	---	---	---	---	---	---	---	---	2.05	0	17
18	---	---	---	---	---	---	---	---	---	---	1.05	0	18
19	---	---	---	---	---	---	---	---	---	---	0.734	0	19
20	---	---	---	---	---	---	---	---	---	---	1.02	0	20
21	---	---	---	---	---	---	---	---	---	---	0.907	0	21
22	---	---	---	---	---	---	---	---	---	---	0.698	0	22
23	---	---	---	---	---	---	---	---	---	---	0.558	0	23
24	---	---	---	---	---	---	---	---	---	---	0.392	0	24
25	---	---	---	---	---	---	---	---	---	---	0.472	0	25
26	---	---	---	---	---	---	---	---	---	---	0.778	0	26
27	---	---	---	---	---	---	---	---	---	---	0.817	0	27
28	---	---	---	---	---	---	---	---	---	---	2.91	0	28
29	---		---	---	---	---	---	---	---	---	1.36	0	29
30	---		---	---	---	---	---	---	---	---	1.01	0	30
31	---		---		---		---	---		---		0.983	31
TOTAL	---	---	---	---	---	---	---	---	---	---	20.5	5.48	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.684	0.177	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	1.14	0.267	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	5.51	0.983	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 26.0
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0158	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0150	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0119	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0077	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0069	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0052	6
7	---	---	---	---	---	---	---	---	---	---	0	0.0056	7
8	---	---	---	---	---	---	---	---	---	---	0	0.0052	8
9	---	---	---	---	---	---	---	---	---	---	0	0.0035	9
10	---	---	---	---	---	---	---	---	---	---	0	0.0035	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0031*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0017	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0017*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0013	14
15	---	---	---	---	---	---	---	---	---	---	0.0048*	0.0015	15
16	---	---	---	---	---	---	---	---	---	---	0.108*	0.0004	16
17	---	---	---	---	---	---	---	---	---	---	0.0405*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0209*	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0146	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0203	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0180	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0139	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0111	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0078	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0094	0	25
26	---	---	---	---	---	---	---	---	---	---	0.0155	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0163*	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0573*	0	28
29	---		---	---	---	---	---	---	---	---	0.0269*	0	29
30	---		---	---	---	---	---	---	---	---	0.0200	0	30
31	---		---		---		---	---		---		0.0195	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.405	0.109	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0135	0.0035	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0224	0.0053	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.108	0.0195	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.515

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 19.1818 B1= 0.9922 A2= 0.0000 B2= 0.0000 R^2= 0.7323 N= 21.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.288	1
2	---	---	---	---	---	---	---	---	---	---	0	0.272	2
3	---	---	---	---	---	---	---	---	---	---	0	0.211	3
4	---	---	---	---	---	---	---	---	---	---	0	0.129	4
5	---	---	---	---	---	---	---	---	---	---	0	0.114	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0832	6
7	---	---	---	---	---	---	---	---	---	---	0	0.0910	7
8	---	---	---	---	---	---	---	---	---	---	0	0.0832	8
9	---	---	---	---	---	---	---	---	---	---	0	0.0530	9
10	---	---	---	---	---	---	---	---	---	---	0	0.0530	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0478*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0246	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0246*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0184	14
15	---	---	---	---	---	---	---	---	---	---	0.0797*	0.0205	15
16	---	---	---	---	---	---	---	---	---	---	2.50*	0.0051	16
17	---	---	---	---	---	---	---	---	---	---	0.831*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.396*	0	18
19	---	---	---	---	---	---	---	---	---	---	0.264	0	19
20	---	---	---	---	---	---	---	---	---	---	0.382	0	20
21	---	---	---	---	---	---	---	---	---	---	0.335	0	21
22	---	---	---	---	---	---	---	---	---	---	0.250	0	22
23	---	---	---	---	---	---	---	---	---	---	0.195	0	23
24	---	---	---	---	---	---	---	---	---	---	0.132	0	24
25	---	---	---	---	---	---	---	---	---	---	0.162	0	25
26	---	---	---	---	---	---	---	---	---	---	0.282	0	26
27	---	---	---	---	---	---	---	---	---	---	0.298*	0	27
28	---	---	---	---	---	---	---	---	---	---	1.23*	0	28
29	---		---	---	---	---	---	---	---	---	0.523*	0	29
30	---		---	---	---	---	---	---	---	---	0.376	0	30
31	---		---		---		---	---		---		0.383	31
TOTAL	---	---	---	---	---	---	---	---	---	---	8.23	1.90	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.274	0.0613	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.505	0.0988	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	2.50	0.383	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 10.1

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.6089 B1= 1.1103 A2= 0.0000 B2= 0.0000 R^2= 0.6473 N= 21.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.107	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0999	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0757	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0439	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0383	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0269	6
7	---	---	---	---	---	---	---	---	---	---	0	0.0297	7
8	---	---	---	---	---	---	---	---	---	---	0	0.0269	8
9	---	---	---	---	---	---	---	---	---	---	0	0.0163	9
10	---	---	---	---	---	---	---	---	---	---	0	0.0163	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0149*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0069	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0069*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0052	14
15	---	---	---	---	---	---	---	---	---	---	0.0273*	0.0058	15
16	---	---	---	---	---	---	---	---	---	---	1.18*	0.0014	16
17	---	---	---	---	---	---	---	---	---	---	0.347*	0	17
18	---	---	---	---	---	---	---	---	---	---	0.152*	0	18
19	---	---	---	---	---	---	---	---	---	---	0.0970	0	19
20	---	---	---	---	---	---	---	---	---	---	0.146	0	20
21	---	---	---	---	---	---	---	---	---	---	0.126	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0912	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0692	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0449	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0565	0	25
26	---	---	---	---	---	---	---	---	---	---	0.104	0	26
27	---	---	---	---	---	---	---	---	---	---	0.111*	0	27
28	---	---	---	---	---	---	---	---	---	---	0.535*	0	28
29	---		---	---	---	---	---	---	---	---	0.207*	0	29
30	---		---	---	---	---	---	---	---	---	0.143	0	30
31	---		---		---		---	---		---		0.155	31
TOTAL	---	---	---	---	---	---	---	---	---	---	3.44	0.676	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.115	0.0218	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.234	0.0378	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.18	0.155	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 4.12

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.3985 B1= 1.2317 A2= 0.0000 B2= 0.0000 R^2= 0.5981 N= 21.

/charge/4100./data/loads/ho.flow90a.out Wed Feb 17 10:49:35 1993

TOTAL DAILY DISCHARGE FOR 1990 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.346	1.04	0.778	3.34	---	---	---	---	---	---	---	---	1
2	0.605	5.18	1.47	10.3	---	---	---	---	---	---	---	---	2
3	1.05	3.20	4.32	7.99	---	---	---	---	---	---	---	---	3
4	3.89	2.16	1.38	4.70	---	---	---	---	---	---	---	---	4
5	4.84	1.64	0.950	2.73	---	---	---	---	---	---	---	---	5
6	2.68	1.81	0.778	2.35	---	---	---	---	---	---	---	---	6
7	2.07	4.23	0.605	1.71	---	---	---	---	---	---	---	---	7
8	2.16	34.6	0.518	1.32	---	---	---	---	---	---	---	---	8
9	3.54	56.6	9.42	1.15	---	---	---	---	---	---	---	---	9
10	6.04	13.6	12.5	13.2	---	---	---	---	---	---	---	---	10
11	6.66	5.10	27.2	12.5	---	---	---	---	---	---	---	---	11
12	4.15	3.28	30.0	3.93	---	---	---	---	---	---	---	---	12
13	2.76	5.18	33.3	2.17	---	---	---	---	---	---	---	---	13
14	2.16	4.49	18.6	2.36	---	---	---	---	---	---	---	---	14
15	1.99	2.07	10.6	2.57	---	---	---	---	---	---	---	---	15
16	2.33	1.81	12.1	1.77	---	---	---	---	---	---	---	---	16
17	31.8	1.73	8.29	2.32	---	---	---	---	---	---	---	---	17
18	68.0	1.56	4.41	1.46	---	---	---	---	---	---	---	---	18
19	11.3	1.38	4.43	1.13	---	---	---	---	---	---	---	---	19
20	6.92	1.20	3.60	2.02	---	---	---	---	---	---	---	---	20
21	4.44	1.30	3.56	6.47	---	---	---	---	---	---	---	---	21
22	2.59	126	6.27	2.51	---	---	---	---	---	---	---	---	22
23	2.16	42.3	9.42	1.57	---	---	---	---	---	---	---	---	23
24	9.50	8.38	3.24	1.13	---	---	---	---	---	---	---	---	24
25	19.6	2.25	2.42	0.907	---	---	---	---	---	---	---	---	25
26	11.7	1.64	2.02	0.770	---	---	---	---	---	---	---	---	26
27	5.44	1.21	1.68	0.659	---	---	---	---	---	---	---	---	27
28	6.83	0.950	1.59	0.540	---	---	---	---	---	---	---	---	28
29	3.02		1.51	0.432	---	---	---	---	---	---	---	---	29
30	1.90		3.39	0.349	---	---	---	---	---	---	---	---	30
31	1.21		3.26		---		---	---		---		---	31
TOTAL	233	335	223	96.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	7.54	12.0	7.22	3.21	---	---	---	---	---	---	---	---	MEAN
ST.D.	12.9	26.2	8.80	3.46	---	---	---	---	---	---	---	---	ST.D.
MAX	68.0	126	33.3	13.2	---	---	---	---	---	---	---	---	MAX
MIN	0.346	0.950	0.518	0.349	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 889
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0010	0.0058	0.0036	0.0379	---	---	---	---	---	---	---	---	1
2	0.0024	0.0756	0.0101	0.269*	---	---	---	---	---	---	---	---	2
3	0.0058	0.0349	0.0565	0.153*	---	---	---	---	---	---	---	---	3
4	0.0477	0.0186	0.0091	0.0655	---	---	---	---	---	---	---	---	4
5	0.0677	0.0120	0.0050	0.0271	---	---	---	---	---	---	---	---	5
6	0.0263	0.0141	0.0036	0.0214*	---	---	---	---	---	---	---	---	6
7	0.0175	0.0547	0.0024	0.0129	---	---	---	---	---	---	---	---	7
8	0.0186	1.57	0.0019	0.0085	---	---	---	---	---	---	---	---	8
9	0.0411*	3.46	0.196	0.0068	---	---	---	---	---	---	---	---	9
10	0.0972	0.352	0.310	0.554*	---	---	---	---	---	---	---	---	10
11	0.113	0.0736	1.07	0.338	---	---	---	---	---	---	---	---	11
12	0.0529	0.0364	1.33	0.0497*	---	---	---	---	---	---	---	---	12
13	0.0277	0.0801	1.49	0.0189	---	---	---	---	---	---	---	---	13
14	0.0186	0.0601	0.593	0.0218	---	---	---	---	---	---	---	---	14
15	0.0163	0.0175	0.240	0.0248	---	---	---	---	---	---	---	---	15
16	0.0211*	0.0141	0.319*	0.0137	---	---	---	---	---	---	---	---	16
17	1.37*	0.0130	0.163*	0.0211	---	---	---	---	---	---	---	---	17
18	4.64*	0.0110	0.0588	0.0100	---	---	---	---	---	---	---	---	18
19	0.264*	0.0091	0.0607*	0.0066*	---	---	---	---	---	---	---	---	19
20	0.121*	0.0072*	0.0424	0.0220*	---	---	---	---	---	---	---	---	20
21	0.0590*	0.0083	0.0419	0.115*	---	---	---	---	---	---	---	---	21
22	0.0250*	18.0	0.126*	0.0240*	---	---	---	---	---	---	---	---	22
23	0.0186	2.17	0.216*	0.0113	---	---	---	---	---	---	---	---	23
24	0.199	0.163	0.0358	0.0066	---	---	---	---	---	---	---	---	24
25	0.747	0.0198	0.0223	0.0047	---	---	---	---	---	---	---	---	25
26	0.294	0.0120	0.0168	0.0036	---	---	---	---	---	---	---	---	26
27	0.0817	0.0074	0.0125	0.0028	---	---	---	---	---	---	---	---	27
28	0.117	0.0050	0.0114	0.0020	---	---	---	---	---	---	---	---	28
29	0.0319		0.0105	0.0014	---	---	---	---	---	---	---	---	29
30	0.0152		0.0399	0.0010	---	---	---	---	---	---	---	---	30
31	0.0074		0.0362		---		---	---		---		---	31
TOTAL	8.57	26.3	6.53	1.86	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.276	0.940	0.211	0.0618	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.853	3.44	0.388	0.122	---	---	---	---	---	---	---	---	ST.D.
MAX	4.64	18.0	1.49	0.554	---	---	---	---	---	---	---	---	MAX
MIN	0.0010	0.0050	0.0019	0.0010	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 43.3

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 78.6997 B1= 1.5992 A2= 0.0000 B2= 0.0000 R^2= 0.6624 N= 49.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0158	0.0766	0.0507	0.415	---	---	---	---	---	---	---	---	1
2	0.0353	0.773	0.126	2.33*	---	---	---	---	---	---	---	---	2
3	0.0775	0.386	0.595	1.45*	---	---	---	---	---	---	---	---	3
4	0.512	0.220	0.116	0.678	---	---	---	---	---	---	---	---	4
5	0.700	0.148	0.0676	0.308	---	---	---	---	---	---	---	---	5
6	0.299	0.171	0.0507	0.249*	---	---	---	---	---	---	---	---	6
7	0.207	0.578	0.0353	0.157	---	---	---	---	---	---	---	---	7
8	0.220	11.8	0.0283	0.109	---	---	---	---	---	---	---	---	8
9	0.448*	24.0	1.82	0.0888	---	---	---	---	---	---	---	---	9
10	0.968	3.08	2.75	4.21*	---	---	---	---	---	---	---	---	10
11	1.11	0.755	8.37	2.90	---	---	---	---	---	---	---	---	11
12	0.561	0.401	10.00	0.528*	---	---	---	---	---	---	---	---	12
13	0.313	0.803	11.2	0.222	---	---	---	---	---	---	---	---	13
14	0.220	0.630	4.90	0.252	---	---	---	---	---	---	---	---	14
15	0.195	0.207	2.17	0.284	---	---	---	---	---	---	---	---	15
16	0.246*	0.171	2.77*	0.166	---	---	---	---	---	---	---	---	16
17	10.5*	0.160	1.53*	0.245	---	---	---	---	---	---	---	---	17
18	31.2*	0.137	0.616	0.126	---	---	---	---	---	---	---	---	18
19	2.37*	0.116	0.629*	0.0869*	---	---	---	---	---	---	---	---	19
20	1.18*	0.0940*	0.460	0.239*	---	---	---	---	---	---	---	---	20
21	0.619*	0.106	0.453	1.11*	---	---	---	---	---	---	---	---	21
22	0.286*	98.7	1.16*	0.275*	---	---	---	---	---	---	---	---	22
23	0.220	15.8	1.94*	0.140	---	---	---	---	---	---	---	---	23
24	1.85	1.54	0.395	0.0868	---	---	---	---	---	---	---	---	24
25	5.82	0.233	0.259	0.0633	---	---	---	---	---	---	---	---	25
26	2.59	0.148	0.201	0.0501	---	---	---	---	---	---	---	---	26
27	0.829	0.0956	0.154	0.0400	---	---	---	---	---	---	---	---	27
28	1.15	0.0676	0.141	0.0301	---	---	---	---	---	---	---	---	28
29	0.357		0.131	0.0218	---	---	---	---	---	---	---	---	29
30	0.183		0.432	0.0161	---	---	---	---	---	---	---	---	30
31	0.0956		0.398		---		---	---		---		---	31
TOTAL	65.3	161	54.0	16.9	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.11	5.76	1.74	0.563	---	---	---	---	---	---	---	---	MEAN
ST.D.	5.78	19.0	2.94	0.964	---	---	---	---	---	---	---	---	ST.D.
MAX	31.2	98.7	11.2	4.21	---	---	---	---	---	---	---	---	MAX
MIN	0.0158	0.0676	0.0283	0.0161	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 297

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.5092 B1= 1.4364 A2= 0.0000 B2= 0.0000 R^2= 0.8826 N= 49.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0054	0.0232	0.0159	0.110	---	---	---	---	---	---	---	---	1
2	0.0114	0.196	0.0369	0.530*	---	---	---	---	---	---	---	---	2
3	0.0235	0.103	0.154	0.350*	---	---	---	---	---	---	---	---	3
4	0.134	0.0615	0.0340	0.174	---	---	---	---	---	---	---	---	4
5	0.179	0.0428	0.0207	0.0839	---	---	---	---	---	---	---	---	5
6	0.0818	0.0488	0.0159	0.0689*	---	---	---	---	---	---	---	---	6
7	0.0583	0.150	0.0114	0.0452	---	---	---	---	---	---	---	---	7
8	0.0615	2.43	0.0093	0.0321	---	---	---	---	---	---	---	---	8
9	0.119*	4.68	0.434	0.0266	---	---	---	---	---	---	---	---	9
10	0.241	0.704	0.633	0.877*	---	---	---	---	---	---	---	---	10
11	0.274	0.192	1.77	0.658	---	---	---	---	---	---	---	---	11
12	0.146	0.107	2.07	0.138*	---	---	---	---	---	---	---	---	12
13	0.0854	0.202	2.32	0.0620	---	---	---	---	---	---	---	---	13
14	0.0615	0.163	1.08	0.0696	---	---	---	---	---	---	---	---	14
15	0.0551	0.0583	0.510	0.0778	---	---	---	---	---	---	---	---	15
16	0.0681*	0.0488	0.629*	0.0475	---	---	---	---	---	---	---	---	16
17	2.18*	0.0458	0.369*	0.0679	---	---	---	---	---	---	---	---	17
18	5.97*	0.0398	0.159	0.0367	---	---	---	---	---	---	---	---	18
19	0.553*	0.0340	0.162*	0.0261*	---	---	---	---	---	---	---	---	19
20	0.290*	0.0281*	0.122	0.0637*	---	---	---	---	---	---	---	---	20
21	0.160*	0.0313	0.120	0.272*	---	---	---	---	---	---	---	---	21
22	0.0784*	16.5	0.276*	0.0755*	---	---	---	---	---	---	---	---	22
23	0.0615	3.18	0.453*	0.0404	---	---	---	---	---	---	---	---	23
24	0.439	0.372	0.106	0.0261	---	---	---	---	---	---	---	---	24
25	1.24	0.0648	0.0714	0.0195	---	---	---	---	---	---	---	---	25
26	0.595	0.0428	0.0565	0.0157	---	---	---	---	---	---	---	---	26
27	0.210	0.0285	0.0443	0.0128	---	---	---	---	---	---	---	---	27
28	0.283	0.0207	0.0409	0.0098	---	---	---	---	---	---	---	---	28
29	0.0961		0.0382	0.0073	---	---	---	---	---	---	---	---	29
30	0.0519		0.114	0.0055	---	---	---	---	---	---	---	---	30
31	0.0285		0.106		---		---	---	---	---	---	---	31
TOTAL	13.8	29.6	12.0	4.03	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.446	1.06	0.387	0.134	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.11	3.21	0.610	0.208	---	---	---	---	---	---	---	---	ST.D.
MAX	5.97	16.5	2.32	0.877	---	---	---	---	---	---	---	---	MAX
MIN	0.0054	0.0207	0.0093	0.0055	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 59.4

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0949 B1= 1.3263 A2= 0.0000 B2= 0.0000 R^2= 0.7688 N= 49.

TOTAL DAILY DISCHARGE FOR 1990 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.259	0.148	0.878	0.821	0.850	0.875	---	---	1
2	---	---	---	---	0.184	0.0684	0.349	0.353	0.749	0.612	---	---	2
3	---	---	---	---	0.162	0.922	0.101	0.137	0.605	0.468	---	---	3
4	---	---	---	---	0.356	0.724	0	0.0576	0.486	9.43	---	---	4
5	---	---	---	---	0.641	0.461	0	0.112	0.432	1.63	---	---	5
6	---	---	---	---	0.400	0.374	0	0.0216	3.72	0.958	---	---	6
7	---	---	---	---	0.328	0.263	0	0	10.7	0.796	---	---	7
8	---	---	---	---	0.234	2.63	0	0	2.55	0.986	---	---	8
9	---	---	---	---	0.133	1.27	23.5	0	1.38	25.4	---	---	9
10	---	---	---	---	0.112	0.738	1.85	0	1.04	20.6	---	---	10
11	---	---	---	---	0.0864	0.500	0.749	0.0036	0.781	36.4	---	---	11
12	---	---	---	---	0.0324	0.346	0.396	0.130	0.659	28.0	---	---	12
13	---	---	---	---	2.74	0.270	0.198	1.80	0.569	15.2	---	---	13
14	---	---	---	---	1.62	0.173	7.11	0.713	18.2	6.62	---	---	14
15	---	---	---	---	1.17	0.0792	4.64	0.346	11.7	3.96	---	---	15
16	---	---	---	---	19.2	0	1.33	0.205	3.29	2.48	---	---	16
17	---	---	---	---	35.8	0	0.706	0.133	1.74	1.91	---	---	17
18	---	---	---	---	11.6	0	0.436	0.0648	1.12	37.8	---	---	18
19	---	---	---	---	4.94	0	0.281	0.108	1.59	9.13	---	---	19
20	---	---	---	---	13.3	0	0.731	0.162	1.81	5.03	---	---	20
21	---	---	---	---	9.13	0	0.497	0.169	1.66	3.18	---	---	21
22	---	---	---	---	3.93	0	0.331	0.0864	2.89	2.56	---	---	22
23	---	---	---	---	2.21	1.17	0.418	0.0504	1.92	2.06	---	---	23
24	---	---	---	---	1.39	3.43	0.320	0	2.90	1.66	---	---	24
25	---	---	---	---	1.07	1.41	0.324	0	1.70	1.44	---	---	25
26	---	---	---	---	0.893	0.788	0.140	0	1.35	1.23	---	---	26
27	---	---	---	---	0.684	0.760	0.0072	0.0540	0.857	1.18	---	---	27
28	---	---	---	---	0.500	0.443	0	87.7	0.691	1.22	---	---	28
29	---		---	---	0.587	0.335	0	23.7	0.572	1.18	---	---	29
30	---		---	---	0.457	0.587	6.46	3.20	1.01	1.17	---	---	30
31	---		---		0.331		3.05	1.33		1.08		---	31
TOTAL	---	---	---	---	114	17.9	54.7	121	79.6	226	---	---	TOTAL
MEAN	---	---	---	---	3.70	0.596	1.77	3.92	2.65	7.30	---	---	MEAN
ST.D.	---	---	---	---	7.50	0.780	4.42	16.1	3.95	10.8	---	---	ST.D.
MAX	---	---	---	---	35.8	3.43	23.5	87.7	18.2	37.8	---	---	MAX
MIN	---	---	---	---	0.0324	0	0	0	0.432	0.468	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 614
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0130	0.0067	0.0599	0.0548	0.0566	0.0587	---	---	1
2	---	---	---	---	0.0085	0.0026	0.0190	0.0191	0.0484	0.0377	---	---	2
3	---	---	---	---	0.0073*	0.0631	0.0041	0.0060	0.0372	0.0270	---	---	3
4	---	---	---	---	0.0204*	0.0466	0	0.0023	0.0283	1.26	---	---	4
5	---	---	---	---	0.0401*	0.0266	0	0.0046	0.0244	0.128	---	---	5
6	---	---	---	---	0.0222*	0.0205*	0	0.0008	0.456	0.0657	---	---	6
7	---	---	---	---	0.0174	0.0133	0	0.0001*	1.36	0.0521*	---	---	7
8	---	---	---	---	0.0115	0.258*	0	0	0.224	0.0681	---	---	8
9	---	---	---	---	0.0058*	0.0941	4.13	0	0.103	4.07*	---	---	9
10	---	---	---	---	0.0046*	0.0477*	0.152*	0	0.0732	2.98*	---	---	10
11	---	---	---	---	0.0033	0.0294*	0.0488	0.0001	0.0510	6.42*	---	---	11
12	---	---	---	---	0.0012*	0.0185	0.0221*	0.0069	0.0413	4.78*	---	---	12
13	---	---	---	---	0.259*	0.0137	0.0093	0.149	0.0346	2.07*	---	---	13
14	---	---	---	---	0.126*	0.0080	0.979	0.0461	3.29*	0.723	---	---	14
15	---	---	---	---	0.0845*	0.0033	0.478	0.0186	1.56*	0.383*	---	---	15
16	---	---	---	---	3.06*	0	0.0995	0.0098*	0.304*	0.213	---	---	16
17	---	---	---	---	6.26*	0	0.0452	0.0058	0.138*	0.155	---	---	17
18	---	---	---	---	1.47*	0	0.0248	0.0025	0.0797	7.07*	---	---	18
19	---	---	---	---	0.505*	0	0.0145	0.0047	0.125	1.08*	---	---	19
20	---	---	---	---	1.85*	0	0.0487	0.0073	0.144	0.515*	---	---	20
21	---	---	---	---	1.09*	0	0.0294	0.0077	0.131	0.292	---	---	21
22	---	---	---	---	0.380	0	0.0178	0.0033	0.259	0.222	---	---	22
23	---	---	---	---	0.186	0.131*	0.0236	0.0019	0.155	0.170	---	---	23
24	---	---	---	---	0.104	0.326*	0.0177	0	0.260	0.129	---	---	24
25	---	---	---	---	0.0750	0.106*	0.0173	0	0.134*	0.109	---	---	25
26	---	---	---	---	0.0602	0.0519	0.0061	0	0.100	0.0899	---	---	26
27	---	---	---	---	0.0433	0.0497	0.0003*	0.0038*	0.0572	0.0854*	---	---	27
28	---	---	---	---	0.0293	0.0253	0	22.2*	0.0439	0.0883	---	---	28
29	---	---	---	---	0.0358	0.0179	0	3.89*	0.0347	0.0847	---	---	29
30	---		---	---	0.0263	0.0410	0.964*	0.297*	0.0703	0.0844	---	---	30
31	---		---		0.0176		0.289*	0.0993*		0.0758		---	31
TOTAL	---	---	---	---	15.8	1.40	7.50	26.9	9.42	33.6	---	---	TOTAL
MEAN	---	---	---	---	0.510	0.0467	0.242	0.866	0.314	1.08	---	---	MEAN
ST.D.	---	---	---	---	1.26	0.0751	0.763	4.02	0.664	1.93	---	---	ST.D.
MAX	---	---	---	---	6.26	0.326	4.13	22.2	3.29	7.07	---	---	MAX
MIN	---	---	---	---	0.0012	0	0	0	0.0244	0.0270	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 94.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 201.8955 B1= 1.2401 A2= 0.0000 B2= 0.0000 R^2= 0.8775 N= 111.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0527	0.0272	0.236	0.216	0.223	0.231	---	---	1
2	---	---	---	---	0.0346	0.0109	0.0763	0.0767	0.191	0.150	---	---	2
3	---	---	---	---	0.0298*	0.248	0.0170	0.0247	0.148	0.108	---	---	3
4	---	---	---	---	0.0815*	0.184	0	0.0094	0.113	4.65	---	---	4
5	---	---	---	---	0.159*	0.106	0	0.0191	0.0978	0.498	---	---	5
6	---	---	---	---	0.0891*	0.0823*	0	0.0034	1.70	0.259	---	---	6
7	---	---	---	---	0.0700	0.0539	0	0.0002*	5.06	0.206*	---	---	7
8	---	---	---	---	0.0465	0.981*	0	0	0.860	0.268	---	---	8
9	---	---	---	---	0.0237*	0.368	14.9	0	0.404	14.8*	---	---	9
10	---	---	---	---	0.0191*	0.189*	0.588*	0	0.287	11.0*	---	---	10
11	---	---	---	---	0.0138	0.117*	0.193	0.0006	0.202	23.2*	---	---	11
12	---	---	---	---	0.0052*	0.0745	0.0885*	0.0277	0.164	17.3*	---	---	12
13	---	---	---	---	0.991*	0.0553	0.0380	0.576	0.138	7.66*	---	---	13
14	---	---	---	---	0.490*	0.0326	3.61	0.182	11.8*	2.73	---	---	14
15	---	---	---	---	0.331*	0.0137	1.81	0.0750	5.77*	1.46*	---	---	15
16	---	---	---	---	11.2*	0	0.388	0.0397*	1.16*	0.823	---	---	16
17	---	---	---	---	22.6*	0	0.179	0.0237	0.534*	0.600	---	---	17
18	---	---	---	---	5.47*	0	0.0992	0.0103	0.313	25.4*	---	---	18
19	---	---	---	---	1.92*	0	0.0583	0.0193	0.485	4.05*	---	---	19
20	---	---	---	---	6.84*	0	0.192	0.0298	0.561	1.95*	---	---	20
21	---	---	---	---	4.07*	0	0.117	0.0313	0.509	1.12	---	---	21
22	---	---	---	---	1.45	0	0.0715	0.0138	0.994	0.857	---	---	22
23	---	---	---	---	0.718	0.493*	0.0946	0.0080	0.603	0.656	---	---	23
24	---	---	---	---	0.406	1.25*	0.0711	0	1.000	0.503	---	---	24
25	---	---	---	---	0.294	0.414*	0.0697	0	0.521*	0.425	---	---	25
26	---	---	---	---	0.237	0.205	0.0252	0	0.392	0.352	---	---	26
27	---	---	---	---	0.172	0.196	0.0014*	0.0151*	0.226	0.334*	---	---	27
28	---	---	---	---	0.117	0.101	0	77.6*	0.174	0.346	---	---	28
29	---	---	---	---	0.142	0.0719	0	14.1*	0.138	0.332	---	---	29
30	---	---	---	---	0.105	0.161	3.53*	1.14*	0.276	0.331	---	---	30
31	---	---	---	---	0.0709	---	1.10*	0.388*	---	0.298	---	---	31
TOTAL	---	---	---	---	58.2	5.43	27.5	94.6	35.1	122	---	---	TOTAL
MEAN	---	---	---	---	1.88	0.181	0.889	3.05	1.17	3.96	---	---	MEAN
ST.D.	---	---	---	---	4.57	0.286	2.76	14.1	2.41	6.95	---	---	ST.D.
MAX	---	---	---	---	22.6	1.25	14.9	77.6	11.8	25.4	---	---	MAX
MIN	---	---	---	---	0.0052	0	0	0	0.0978	0.108	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 343

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.7208 B1= 1.2185 A2= 0.0000 B2= 0.0000 R^2= 0.9260 N= 110.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0052	0.0026	0.0277	0.0251	0.0258	0.0269	---	---	1
2	---	---	---	---	0.0033	0.0009	0.0079	0.0079	0.0218	0.0166	---	---	2
3	---	---	---	---	0.0028*	0.0292	0.0015	0.0023	0.0164	0.0116	---	---	3
4	---	---	---	---	0.0088*	0.0209	0	0.0008	0.0122	0.788	---	---	4
5	---	---	---	---	0.0178*	0.0114	0	0.0017	0.0104	0.0630	---	---	5
6	---	---	---	---	0.0094*	0.0086*	0	0.0003	0.277	0.0304	---	---	6
7	---	---	---	---	0.0072	0.0054	0	0.0000*	0.829	0.0236*	---	---	7
8	---	---	---	---	0.0046	0.141*	0	0	0.116	0.0316	---	---	8
9	---	---	---	---	0.0022*	0.0450	2.95	0	0.0497	2.75*	---	---	9
10	---	---	---	---	0.0017*	0.0215*	0.0763*	0	0.0342	1.93*	---	---	10
11	---	---	---	---	0.0012	0.0127*	0.0221	0.0000	0.0231	4.55*	---	---	11
12	---	---	---	---	0.0004*	0.0077	0.0093*	0.0028	0.0183	3.35*	---	---	12
13	---	---	---	---	0.139*	0.0055	0.0037	0.0751	0.0152	1.30*	---	---	13
14	---	---	---	---	0.0617*	0.0031	0.623	0.0208	2.34*	0.412	---	---	14
15	---	---	---	---	0.0399*	0.0012	0.266	0.0078	0.975*	0.206*	---	---	15
16	---	---	---	---	2.07*	0	0.0478	0.0038*	0.161*	0.109	---	---	16
17	---	---	---	---	4.42*	0	0.0203	0.0022	0.0679*	0.0770	---	---	17
18	---	---	---	---	0.894*	0	0.0106	0.0009	0.0375	5.16*	---	---	18
19	---	---	---	---	0.279*	0	0.0059	0.0018	0.0611	0.637*	---	---	19
20	---	---	---	---	1.18*	0	0.0223	0.0028	0.0715	0.284*	---	---	20
21	---	---	---	---	0.645*	0	0.0127	0.0029	0.0645	0.153	---	---	21
22	---	---	---	---	0.205	0	0.0074	0.0012	0.135	0.114	---	---	22
23	---	---	---	---	0.0941	0.0759*	0.0100	0.0007	0.0774	0.0851	---	---	23
24	---	---	---	---	0.0500	0.175*	0.0075	0	0.136	0.0634	---	---	24
25	---	---	---	---	0.0351	0.0513*	0.0072	0	0.0659*	0.0526	---	---	25
26	---	---	---	---	0.0276	0.0236	0.0023	0	0.0481	0.0427	---	---	26
27	---	---	---	---	0.0193	0.0225	0.0001*	0.0018*	0.0261	0.0404*	---	---	27
28	---	---	---	---	0.0127	0.0108	0	18.6*	0.0196	0.0419	---	---	28
29	---		---	---	0.0157	0.0074	0	2.68*	0.0152	0.0400	---	---	29
30	---		---	---	0.0112	0.0194	0.636*	0.158*	0.0328	0.0399	---	---	30
31	---		---		0.0073		0.155*	0.0476*		0.0355		---	31
TOTAL	---	---	---	---	10.3	0.702	4.93	21.7	5.78	22.5	---	---	TOTAL
MEAN	---	---	---	---	0.332	0.0234	0.159	0.699	0.193	0.725	---	---	MEAN
ST.D.	---	---	---	---	0.880	0.0408	0.542	3.36	0.462	1.37	---	---	ST.D.
MAX	---	---	---	---	4.42	0.175	2.95	18.6	2.34	5.16	---	---	MAX
MIN	---	---	---	---	0.0004	0	0	0	0.0104	0.0116	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 65.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1510 B1= 1.3471 A2= 0.0000 B2= 0.0000 R^2= 0.8970 N= 110.

TOTAL DAILY DISCHARGE FOR 1990 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	1.03	1.08	1
2	---	---	---	---	---	---	---	---	---	---	0.922	0.889	2
3	---	---	---	---	---	---	---	---	---	---	0.857	9.32	3
4	---	---	---	---	---	---	---	---	---	---	0.781	15.2	4
5	---	---	---	---	---	---	---	---	---	---	37.8	2.69	5
6	---	---	---	---	---	---	---	---	---	---	16.0	1.48	6
7	---	---	---	---	---	---	---	---	---	---	2.28	1.47	7
8	---	---	---	---	---	---	---	---	---	---	1.58	3.25	8
9	---	---	---	---	---	---	---	---	---	---	1.88	5.78	9
10	---	---	---	---	---	---	---	---	---	---	2.92	6.98	10
11	---	---	---	---	---	---	---	---	---	---	1.81	3.42	11
12	---	---	---	---	---	---	---	---	---	---	1.47	3.39	12
13	---	---	---	---	---	---	---	---	---	---	1.34	4.35	13
14	---	---	---	---	---	---	---	---	---	---	1.44	2.00	14
15	---	---	---	---	---	---	---	---	---	---	1.62	1.87	15
16	---	---	---	---	---	---	---	---	---	---	1.37	5.39	16
17	---	---	---	---	---	---	---	---	---	---	0.886	4.35	17
18	---	---	---	---	---	---	---	---	---	---	0.522	26.2	18
19	---	---	---	---	---	---	---	---	---	---	0.353	16.6	19
20	---	---	---	---	---	---	---	---	---	---	0.202	6.81	20
21	---	---	---	---	---	---	---	---	---	---	0.0828	14.5	21
22	---	---	---	---	---	---	---	---	---	---	6.51	25.1	22
23	---	---	---	---	---	---	---	---	---	---	2.00	15.2	23
24	---	---	---	---	---	---	---	---	---	---	1.01	8.99	24
25	---	---	---	---	---	---	---	---	---	---	0.760	5.01	25
26	---	---	---	---	---	---	---	---	---	---	0.511	2.76	26
27	---	---	---	---	---	---	---	---	---	---	5.86	1.21	27
28	---	---	---	---	---	---	---	---	---	---	8.64	1.04	28
29	---		---	---	---	---	---	---	---	---	2.84	86.4	29
30	---		---	---	---	---	---	---	---	---	1.43	51.8	30
31	---		---		---		---	---		---		9.07	31
TOTAL	---	---	---	---	---	---	---	---	---	---	106	343	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	3.56	11.1	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	7.21	17.5	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	37.8	86.4	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0828	0.889	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 450
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0901	0.0955	1
2	---	---	---	---	---	---	---	---	---	---	0.0781	0.0746	2
3	---	---	---	---	---	---	---	---	---	---	0.0711	2.14	3
4	---	---	---	---	---	---	---	---	---	---	0.0632*	3.03	4
5	---	---	---	---	---	---	---	---	---	---	10.8*	0.315	5
6	---	---	---	---	---	---	---	---	---	---	3.46*	0.144	6
7	---	---	---	---	---	---	---	---	---	---	0.252	0.143	7
8	---	---	---	---	---	---	---	---	---	---	0.157	0.420	8
9	---	---	---	---	---	---	---	---	---	---	0.219	0.900	9
10	---	---	---	---	---	---	---	---	---	---	0.349	1.06	10
11	---	---	---	---	---	---	---	---	---	---	0.187	0.422	11
12	---	---	---	---	---	---	---	---	---	---	0.142	0.422	12
13	---	---	---	---	---	---	---	---	---	---	0.126	0.581	13
14	---	---	---	---	---	---	---	---	---	---	0.139	0.212	14
15	---	---	---	---	---	---	---	---	---	---	0.162*	0.196	15
16	---	---	---	---	---	---	---	---	---	---	0.130	0.760	16
17	---	---	---	---	---	---	---	---	---	---	0.0746	0.587	17
18	---	---	---	---	---	---	---	---	---	---	0.0378	5.83	18
19	---	---	---	---	---	---	---	---	---	---	0.0229	3.26	19
20	---	---	---	---	---	---	---	---	---	---	0.0112	1.03	20
21	---	---	---	---	---	---	---	---	---	---	0.0036	3.10	21
22	---	---	---	---	---	---	---	---	---	---	1.10	5.49	22
23	---	---	---	---	---	---	---	---	---	---	0.213	2.87	23
24	---	---	---	---	---	---	---	---	---	---	0.0885	1.46	24
25	---	---	---	---	---	---	---	---	---	---	0.0612	0.689	25
26	---	---	---	---	---	---	---	---	---	---	0.0366	0.321	26
27	---	---	---	---	---	---	---	---	---	---	0.869	0.111*	27
28	---	---	---	---	---	---	---	---	---	---	1.46*	0.0909	28
29	---		---	---	---	---	---	---	---	---	0.338	26.8	29
30	---		---	---	---	---	---	---	---	---	0.138	13.9	30
31	---		---		---		---	---		---		1.48	31
TOTAL	---	---	---	---	---	---	---	---	---	---	20.9	77.9	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.697	2.51	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	2.03	5.26	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	10.8	26.8	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0036	0.0746	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 98.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 309.9292 B1= 1.2855 A2= 0.0000 B2= 0.0000 R^2= 0.9517 N= 15.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.218	0.232	1
2	---	---	---	---	---	---	---	---	---	---	0.187	0.178	2
3	---	---	---	---	---	---	---	---	---	---	0.169	7.22	3
4	---	---	---	---	---	---	---	---	---	---	0.149*	9.68	4
5	---	---	---	---	---	---	---	---	---	---	39.0*	0.840	5
6	---	---	---	---	---	---	---	---	---	---	11.4*	0.361	6
7	---	---	---	---	---	---	---	---	---	---	0.659	0.360	7
8	---	---	---	---	---	---	---	---	---	---	0.395	1.16	8
9	---	---	---	---	---	---	---	---	---	---	0.590	2.65	9
10	---	---	---	---	---	---	---	---	---	---	0.939	3.09	10
11	---	---	---	---	---	---	---	---	---	---	0.478	1.15	11
12	---	---	---	---	---	---	---	---	---	---	0.355	1.15	12
13	---	---	---	---	---	---	---	---	---	---	0.313	1.62	13
14	---	---	---	---	---	---	---	---	---	---	0.348	0.548	14
15	---	---	---	---	---	---	---	---	---	---	0.409*	0.505	15
16	---	---	---	---	---	---	---	---	---	---	0.323	2.15	16
17	---	---	---	---	---	---	---	---	---	---	0.179	1.65	17
18	---	---	---	---	---	---	---	---	---	---	0.0859	19.2	18
19	---	---	---	---	---	---	---	---	---	---	0.0501	10.3	19
20	---	---	---	---	---	---	---	---	---	---	0.0233	2.98	20
21	---	---	---	---	---	---	---	---	---	---	0.0068	10.2	21
22	---	---	---	---	---	---	---	---	---	---	3.35	18.0	22
23	---	---	---	---	---	---	---	---	---	---	0.550	8.96	23
24	---	---	---	---	---	---	---	---	---	---	0.215	4.34	24
25	---	---	---	---	---	---	---	---	---	---	0.144	1.94	25
26	---	---	---	---	---	---	---	---	---	---	0.0831	0.852	26
27	---	---	---	---	---	---	---	---	---	---	2.51	0.272*	27
28	---	---	---	---	---	---	---	---	---	---	4.42*	0.220	28
29	---		---	---	---	---	---	---	---	---	0.906	98.5	29
30	---		---	---	---	---	---	---	---	---	0.346	48.7	30
31	---		---		---		---	---		---		4.39	31
TOTAL	---	---	---	---	---	---	---	---	---	---	68.9	263	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	2.30	8.50	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	7.28	19.2	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	39.0	98.5	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0068	0.178	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 332

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.1406 B1= 1.3801 A2= 0.0000 B2= 0.0000 R^2= 0.9503 N= 15.

Watershed: Kettle Creek Control

Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0922	0.0951	1
2	---	---	---	---	---	---	---	---	---	---	0.0851	0.0829	2
3	---	---	---	---	---	---	---	---	---	---	0.0807	0.354	3
4	---	---	---	---	---	---	---	---	---	---	0.0755*	0.625	4
5	---	---	---	---	---	---	---	---	---	---	1.11*	0.183	5
6	---	---	---	---	---	---	---	---	---	---	0.623*	0.120	6
7	---	---	---	---	---	---	---	---	---	---	0.163	0.119	7
8	---	---	---	---	---	---	---	---	---	---	0.125	0.205	8
9	---	---	---	---	---	---	---	---	---	---	0.135	0.305	9
10	---	---	---	---	---	---	---	---	---	---	0.194	0.366	10
11	---	---	---	---	---	---	---	---	---	---	0.139	0.219	11
12	---	---	---	---	---	---	---	---	---	---	0.119	0.216	12
13	---	---	---	---	---	---	---	---	---	---	0.111	0.259	13
14	---	---	---	---	---	---	---	---	---	---	0.118	0.149	14
15	---	---	---	---	---	---	---	---	---	---	0.128*	0.141	15
16	---	---	---	---	---	---	---	---	---	---	0.113	0.304	16
17	---	---	---	---	---	---	---	---	---	---	0.0824	0.258	17
18	---	---	---	---	---	---	---	---	---	---	0.0563	0.952	18
19	---	---	---	---	---	---	---	---	---	---	0.0424	0.679	19
20	---	---	---	---	---	---	---	---	---	---	0.0282	0.360	20
21	---	---	---	---	---	---	---	---	---	---	0.0147	0.576	21
22	---	---	---	---	---	---	---	---	---	---	0.316	0.922	22
23	---	---	---	---	---	---	---	---	---	---	0.148	0.645	23
24	---	---	---	---	---	---	---	---	---	---	0.0903	0.441	24
25	---	---	---	---	---	---	---	---	---	---	0.0738	0.289	25
26	---	---	---	---	---	---	---	---	---	---	0.0556	0.188	26
27	---	---	---	---	---	---	---	---	---	---	0.317	0.104*	27
28	---	---	---	---	---	---	---	---	---	---	0.417*	0.0927	28
29	---		---	---	---	---	---	---	---	---	0.190	2.26	29
30	---		---	---	---	---	---	---	---	---	0.117	1.56	30
31	---		---		---		---	---		---		0.444	31
TOTAL	---	---	---	---	---	---	---	---	---	---	5.36	13.5	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.179	0.436	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.216	0.466	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.11	2.26	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0147	0.0829	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 18.9

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0262 B1= 0.7225 A2= 0.0000 B2= 0.0000 R^2= 0.3064 N= 15.

/charge/4100./data/loads/no.flow91a.out Wed Feb 17 10:50:12 1993

TOTAL DAILY DISCHARGE FOR 1991 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.88	0.346	2.59	2.65	---	---	---	---	---	---	---	---	1
2	4.15	0.259	34.6	2.43	---	---	---	---	---	---	---	---	2
3	3.02	1.04	13.0	2.33	---	---	---	---	---	---	---	---	3
4	1.99	2.76	5.18	2.09	---	---	---	---	---	---	---	---	4
5	1.47	5.88	7.78	2.38	---	---	---	---	---	---	---	---	5
6	1.04	5.01	49.2	2.47	---	---	---	---	---	---	---	---	6
7	0.778	4.15	13.0	2.47	---	---	---	---	---	---	---	---	7
8	0.691	3.20	4.58	2.19	---	---	---	---	---	---	---	---	8
9	0.605	2.68	2.76	3.32	---	---	---	---	---	---	---	---	9
10	0.518	2.16	2.25	3.37	---	---	---	---	---	---	---	---	10
11	0.518	1.81	1.99	2.58	---	---	---	---	---	---	---	---	11
12	0.432	1.47	1.81	2.19	---	---	---	---	---	---	---	---	12
13	0.432	1.30	1.64	2.00	---	---	---	---	---	---	---	---	13
14	0.432	1.12	1.47	2.12	---	---	---	---	---	---	---	---	14
15	0.432	1.04	1.38	5.30	---	---	---	---	---	---	---	---	15
16	1.73	0.950	1.30	3.17	---	---	---	---	---	---	---	---	16
17	4.32	0.864	2.59	2.57	---	---	---	---	---	---	---	---	17
18	3.46	1.04	23.9	2.21	---	---	---	---	---	---	---	---	18
19	2.85	11.7	12.6	2.83	---	---	---	---	---	---	---	---	19
20	4.84	19.7	6.16	13.7	---	---	---	---	---	---	---	---	20
21	3.28	17.3	5.18	8.54	---	---	---	---	---	---	---	---	21
22	2.33	14.7	4.09	5.65	---	---	---	---	---	---	---	---	22
23	1.73	4.84	6.64	3.28	---	---	---	---	---	---	---	---	23
24	1.21	3.02	7.95	3.01	---	---	---	---	---	---	---	---	24
25	0.950	2.59	5.04	2.64	---	---	---	---	---	---	---	---	25
26	0.864	2.42	3.83	2.10	---	---	---	---	---	---	---	---	26
27	0.778	2.33	16.3	1.93	---	---	---	---	---	---	---	---	27
28	0.691	2.25	11.7	1.79	---	---	---	---	---	---	---	---	28
29	0.605		4.23	1.61	---	---	---	---	---	---	---	---	29
30	0.518		3.08	1.40	---	---	---	---	---	---	---	---	30
31	0.432		2.73		---		---	---		---		---	31
TOTAL	53.0	117	260	96.3	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.71	4.21	8.40	3.21	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.52	5.16	10.5	2.44	---	---	---	---	---	---	---	---	ST.D.
MAX	5.88	19.7	49.2	13.7	---	---	---	---	---	---	---	---	MAX
MIN	0.432	0.259	1.30	1.40	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 527
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.595	0.0017	0.110*	0.116	---	---	---	---	---	---	---	---	1
2	0.290	0.0010	22.9*	0.0963	---	---	---	---	---	---	---	---	2
3	0.151	0.0167	3.04*	0.0887*	---	---	---	---	---	---	---	---	3
4	0.0637	0.126	0.460*	0.0708	---	---	---	---	---	---	---	---	4
5	0.0342	0.595	1.06	0.0921	---	---	---	---	---	---	---	---	5
6	0.0167	0.429	47.6*	0.0998	---	---	---	---	---	---	---	---	6
7	0.0092	0.290	3.04*	0.0998	---	---	---	---	---	---	---	---	7
8	0.0072	0.170	0.356	0.0775	---	---	---	---	---	---	---	---	8
9	0.0055	0.118	0.126	0.183	---	---	---	---	---	---	---	---	9
10	0.0040	0.0757	0.0820	0.189	---	---	---	---	---	---	---	---	10
11	0.0040*	0.0528	0.0637	0.109	---	---	---	---	---	---	---	---	11
12	0.0027	0.0342	0.0528	0.0775	---	---	---	---	---	---	---	---	12
13	0.0027	0.0264	0.0430*	0.0649	---	---	---	---	---	---	---	---	13
14	0.0027	0.0197	0.0342	0.0726	---	---	---	---	---	---	---	---	14
15	0.0027	0.0167	0.0302	0.482	---	---	---	---	---	---	---	---	15
16	0.0478	0.0139	0.0264	0.167	---	---	---	---	---	---	---	---	16
17	0.316	0.0115	0.110	0.108	---	---	---	---	---	---	---	---	17
18	0.199	0.0167	14.3	0.0795	---	---	---	---	---	---	---	---	18
19	0.134	2.44	3.20	0.132*	---	---	---	---	---	---	---	---	19
20	0.399	7.20	0.664	3.42*	---	---	---	---	---	---	---	---	20
21	0.179	5.49	0.459	1.28*	---	---	---	---	---	---	---	---	21
22	0.0887	3.93	0.284	0.549*	---	---	---	---	---	---	---	---	22
23	0.0478	0.399	0.906	0.179	---	---	---	---	---	---	---	---	23
24	0.0229	0.151	1.23	0.150	---	---	---	---	---	---	---	---	24
25	0.0139	0.110	0.437	0.114	---	---	---	---	---	---	---	---	25
26	0.0115	0.0956*	0.247	0.0714	---	---	---	---	---	---	---	---	26
27	0.0092	0.0887	7.56	0.0598*	---	---	---	---	---	---	---	---	27
28	0.0072	0.0820	3.39	0.0513	---	---	---	---	---	---	---	---	28
29	0.0055		0.307	0.0411	---	---	---	---	---	---	---	---	29
30	0.0040		0.158	0.0309	---	---	---	---	---	---	---	---	30
31	0.0027		0.123		---		---	---	---	---	---	---	31
TOTAL	2.68	22.0	112	8.36	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0865	0.786	3.63	0.279	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.141	1.80	9.46	0.640	---	---	---	---	---	---	---	---	ST.D.
MAX	0.595	7.20	47.6	3.42	---	---	---	---	---	---	---	---	MAX
MIN	0.0027	0.0010	0.0264	0.0309	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 145

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1752.8678 B1= 2.0607 A2= 0.0000 B2= 0.0000 R^2= 0.8830 N= 26.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.15	0.0152	0.514*	0.536	---	---	---	---	---	---	---	---	1
2	1.17	0.0092	47.5*	0.459	---	---	---	---	---	---	---	---	2
3	0.673	0.104	8.56*	0.428*	---	---	---	---	---	---	---	---	3
4	0.323	0.576	1.73*	0.353	---	---	---	---	---	---	---	---	4
5	0.191	2.15	3.51	0.442	---	---	---	---	---	---	---	---	5
6	0.104	1.63	88.2*	0.473	---	---	---	---	---	---	---	---	6
7	0.0628	1.17	8.56*	0.473	---	---	---	---	---	---	---	---	7
8	0.0511	0.742	1.39	0.382	---	---	---	---	---	---	---	---	8
9	0.0405	0.545	0.576	0.792	---	---	---	---	---	---	---	---	9
10	0.0309	0.374	0.401	0.813	---	---	---	---	---	---	---	---	10
11	0.0309*	0.276	0.323	0.511	---	---	---	---	---	---	---	---	11
12	0.0225	0.191	0.276	0.382	---	---	---	---	---	---	---	---	12
13	0.0225	0.153	0.232*	0.328	---	---	---	---	---	---	---	---	13
14	0.0225	0.119	0.191	0.361	---	---	---	---	---	---	---	---	14
15	0.0225	0.104	0.172	1.80	---	---	---	---	---	---	---	---	15
16	0.253	0.0891	0.153	0.732	---	---	---	---	---	---	---	---	16
17	1.26	0.0755	0.514	0.505	---	---	---	---	---	---	---	---	17
18	0.850	0.104	30.1	0.390	---	---	---	---	---	---	---	---	18
19	0.608	7.12	8.70	0.598*	---	---	---	---	---	---	---	---	19
20	1.53	17.8	2.35	9.47*	---	---	---	---	---	---	---	---	20
21	0.777	14.1	1.72	4.13*	---	---	---	---	---	---	---	---	21
22	0.428	10.6	1.15	2.01*	---	---	---	---	---	---	---	---	22
23	0.253	1.53	2.94	0.777	---	---	---	---	---	---	---	---	23
24	0.136	0.673	3.88	0.667	---	---	---	---	---	---	---	---	24
25	0.0891	0.514	1.65	0.529	---	---	---	---	---	---	---	---	25
26	0.0755	0.456*	1.02	0.356	---	---	---	---	---	---	---	---	26
27	0.0628	0.428	16.9	0.306*	---	---	---	---	---	---	---	---	27
28	0.0511	0.401	8.68	0.269	---	---	---	---	---	---	---	---	28
29	0.0405		1.22	0.223	---	---	---	---	---	---	---	---	29
30	0.0309		0.696	0.175	---	---	---	---	---	---	---	---	30
31	0.0225		0.563		---		---	---	---	---	---	---	31
TOTAL	11.4	62.1	244	29.7	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.367	2.22	7.88	0.989	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.529	4.54	17.9	1.77	---	---	---	---	---	---	---	---	ST.D.
MAX	2.15	17.8	88.2	9.47	---	---	---	---	---	---	---	---	MAX
MIN	0.0225	0.0092	0.153	0.175	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 347

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 2.7239 B1= 1.7470 A2= 0.0000 B2= 0.0000 R^2= 0.9115 N= 26.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.396	0.0465	0.213*	0.217	---	---	---	---	---	---	---	---	1
2	0.304	0.0374	1.51*	0.203	---	---	---	---	---	---	---	---	2
3	0.240	0.107	0.720*	0.197	---	---	---	---	---	---	---	---	3
4	0.174	0.224	0.360*	0.181	---	---	---	---	---	---	---	---	4
5	0.139	0.396	0.489	0.200	---	---	---	---	---	---	---	---	5
6	0.107	0.351	1.97*	0.206	---	---	---	---	---	---	---	---	6
7	0.0858	0.304	0.720*	0.206	---	---	---	---	---	---	---	---	7
8	0.0785	0.250	0.328	0.187	---	---	---	---	---	---	---	---	8
9	0.0710	0.219	0.224	0.257	---	---	---	---	---	---	---	---	9
10	0.0632	0.186	0.191	0.260	---	---	---	---	---	---	---	---	10
11	0.0632*	0.163	0.174	0.213	---	---	---	---	---	---	---	---	11
12	0.0550	0.139	0.163	0.187	---	---	---	---	---	---	---	---	12
13	0.0550	0.126	0.151*	0.176	---	---	---	---	---	---	---	---	13
14	0.0550	0.113	0.139	0.183	---	---	---	---	---	---	---	---	14
15	0.0550	0.107	0.133	0.366	---	---	---	---	---	---	---	---	15
16	0.157	0.0999	0.126	0.248	---	---	---	---	---	---	---	---	16
17	0.314	0.0929	0.213	0.212	---	---	---	---	---	---	---	---	17
18	0.265	0.107	1.10	0.189	---	---	---	---	---	---	---	---	18
19	0.229	0.665	0.699	0.228*	---	---	---	---	---	---	---	---	19
20	0.342	0.988	0.410	0.752*	---	---	---	---	---	---	---	---	20
21	0.255	0.895	0.360	0.525*	---	---	---	---	---	---	---	---	21
22	0.197	0.791	0.301	0.384*	---	---	---	---	---	---	---	---	22
23	0.157	0.342	0.428	0.255	---	---	---	---	---	---	---	---	23
24	0.120	0.240	0.493	0.239	---	---	---	---	---	---	---	---	24
25	0.0999	0.213	0.352	0.216	---	---	---	---	---	---	---	---	25
26	0.0929	0.202*	0.286	0.182	---	---	---	---	---	---	---	---	26
27	0.0858	0.197	0.819	0.170*	---	---	---	---	---	---	---	---	27
28	0.0785	0.191	0.646	0.161	---	---	---	---	---	---	---	---	28
29	0.0710		0.309	0.149	---	---	---	---	---	---	---	---	29
30	0.0632		0.243	0.134	---	---	---	---	---	---	---	---	30
31	0.0550		0.222		---		---	---		---		---	31
TOTAL	4.52	7.79	14.5	7.28	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.146	0.278	0.468	0.243	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0993	0.252	0.418	0.124	---	---	---	---	---	---	---	---	ST.D.
MAX	0.396	0.988	1.97	0.752	---	---	---	---	---	---	---	---	MAX
MIN	0.0550	0.0374	0.126	0.134	---	---	---	---	---	---	---	---	MIN

TOTAL LOAD FOR YEAR, 34.1

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0350 B1= 0.7560 A2= 0.0000 B2= 0.0000 R^2= 0.7000 N= 25.

TOTAL DAILY DISCHARGE FOR 1991 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.24	0.562	0	0	0	0	---	---	1
2	---	---	---	---	1.11	0.311	0	0	0	0	---	---	2
3	---	---	---	---	0.847	0.225	0	0	0	0	---	---	3
4	---	---	---	---	0.700	0.0518	0	0	0	0	---	---	4
5	---	---	---	---	0.605	0.0173	0	0	0	0	---	---	5
6	---	---	---	---	0.864	0	0	0	0	0	---	---	6
7	---	---	---	---	0.492	0	0	0	0	0	---	---	7
8	---	---	---	---	0.346	0	0	0	0	0	---	---	8
9	---	---	---	---	0.691	0	0	0	0	0	---	---	9
10	---	---	---	---	0.544	0	0	0	0	0	---	---	10
11	---	---	---	---	0.320	0	0	0	0	0	---	---	11
12	---	---	---	---	0.242	0	0	0	0	0	---	---	12
13	---	---	---	---	0.138	0	0	0	0	0	---	---	13
14	---	---	---	---	0.0691	0	0	0	0	0	---	---	14
15	---	---	---	---	0.0518	0	0	0	0	0	---	---	15
16	---	---	---	---	0.0346	0	0	0	0	0	---	---	16
17	---	---	---	---	0.0346	0	0	0	0	0	---	---	17
18	---	---	---	---	0.0432	0	0	0	0	0	---	---	18
19	---	---	---	---	0.0259	0	0	0	0	0	---	---	19
20	---	---	---	---	0.0173	0	0	0	0	0	---	---	20
21	---	---	---	---	0	0	0	0	0	0	---	---	21
22	---	---	---	---	0	0	0	0	0	0	---	---	22
23	---	---	---	---	0	0	0	0	0	0	---	---	23
24	---	---	---	---	0	0	0	0	0	0	---	---	24
25	---	---	---	---	0	0	0	0	0	0	---	---	25
26	---	---	---	---	1.45	0	0	0	0	0	---	---	26
27	---	---	---	---	1.42	0	0	0	0	0	---	---	27
28	---	---	---	---	0.734	0	0	0	0	0	---	---	28
29	---		---	---	0.415	0	0	0	0	0	---	---	29
30	---		---	---	0.786	0	0	0		0	---	---	30
31	---		---		1.43		0	0		0		---	31
TOTAL	---	---	---	---	14.7	1.17	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.473	0.0389	0	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.483	0.120	0	0	0	0	---	---	ST.D.
MAX	---	---	---	---	1.45	0.562	0	0	0	0	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 15.8
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.173	0.0764	0	0	0	0	---	---	1
2	---	---	---	---	0.154	0.0417	0	0	0	0	---	---	2
3	---	---	---	---	0.116	0.0299	0	0	0	0	---	---	3
4	---	---	---	---	0.0957	0.0067	0	0	0	0	---	---	4
5	---	---	---	---	0.0824	0.0022	0	0	0	0	---	---	5
6	---	---	---	---	0.119	0.0002*	0	0	0	0	---	---	6
7	---	---	---	---	0.0668	0	0	0	0	0	---	---	7
8	---	---	---	---	0.0465	0	0	0	0	0	---	---	8
9	---	---	---	---	0.0945	0	0	0	0	0	---	---	9
10	---	---	---	---	0.0740	0	0	0	0	0	---	---	10
11	---	---	---	---	0.0429	0	0	0	0	0	---	---	11
12	---	---	---	---	0.0322	0	0	0	0	0	---	---	12
13	---	---	---	---	0.0182	0	0	0	0	0	---	---	13
14	---	---	---	---	0.0088*	0	0	0	0	0	---	---	14
15	---	---	---	---	0.0067	0	0	0	0	0	---	---	15
16	---	---	---	---	0.0044	0	0	0	0	0	---	---	16
17	---	---	---	---	0.0044	0	0	0	0	0	---	---	17
18	---	---	---	---	0.0055	0	0	0	0	0	---	---	18
19	---	---	---	---	0.0033	0	0	0	0	0	---	---	19
20	---	---	---	---	0.0022	0	0	0	0	0	---	---	20
21	---	---	---	---	0	0	0	0	0	0	---	---	21
22	---	---	---	---	0	0	0	0	0	0	---	---	22
23	---	---	---	---	0	0	0	0	0	0	---	---	23
24	---	---	---	---	0	0	0	0	0	0	---	---	24
25	---	---	---	---	0.0005*	0	0	0	0	0	---	---	25
26	---	---	---	---	0.202*	0	0	0	0	0	---	---	26
27	---	---	---	---	0.197	0	0	0	0	0	---	---	27
28	---	---	---	---	0.101*	0	0	0	0	0	---	---	28
29	---		---	---	0.0560	0	0	0	0	0	---	---	29
30	---		---	---	0.108	0	0	0	0	0	---	---	30
31	---		---		0.200		0	0		0		---	31
TOTAL	---	---	---	---	2.01	0.157	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.0650	0.0052	0	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.0671	0.0163	0	0	0	0	---	---	ST.D.
MAX	---	---	---	---	0.202	0.0764	0	0	0	0	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 2.17

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 153.6066 B1= 1.0241 A2= 0.0000 B2= 0.0000 R^2= 0.8863 N= 9.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.846	0.315	0	0	0	0	---	---	1
2	---	---	---	---	0.738	0.151	0	0	0	0	---	---	2
3	---	---	---	---	0.524	0.101	0	0	0	0	---	---	3
4	---	---	---	---	0.414	0.0163	0	0	0	0	---	---	4
5	---	---	---	---	0.345	0.0042	0	0	0	0	---	---	5
6	---	---	---	---	0.538	0.0005*	0	0	0	0	---	---	6
7	---	---	---	---	0.267	0	0	0	0	0	---	---	7
8	---	---	---	---	0.172	0	0	0	0	0	---	---	8
9	---	---	---	---	0.407	0	0	0	0	0	---	---	9
10	---	---	---	---	0.303	0	0	0	0	0	---	---	10
11	---	---	---	---	0.156	0	0	0	0	0	---	---	11
12	---	---	---	---	0.110	0	0	0	0	0	---	---	12
13	---	---	---	---	0.0551	0	0	0	0	0	---	---	13
14	---	---	---	---	0.0229*	0	0	0	0	0	---	---	14
15	---	---	---	---	0.0163	0	0	0	0	0	---	---	15
16	---	---	---	---	0.0098	0	0	0	0	0	---	---	16
17	---	---	---	---	0.0098	0	0	0	0	0	---	---	17
18	---	---	---	---	0.0130	0	0	0	0	0	---	---	18
19	---	---	---	---	0.0069	0	0	0	0	0	---	---	19
20	---	---	---	---	0.0042	0	0	0	0	0	---	---	20
21	---	---	---	---	0	0	0	0	0	0	---	---	21
22	---	---	---	---	0	0	0	0	0	0	---	---	22
23	---	---	---	---	0	0	0	0	0	0	---	---	23
24	---	---	---	---	0	0	0	0	0	0	---	---	24
25	---	---	---	---	0.0011*	0	0	0	0	0	---	---	25
26	---	---	---	---	1.02*	0	0	0	0	0	---	---	26
27	---	---	---	---	0.994	0	0	0	0	0	---	---	27
28	---	---	---	---	0.439*	0	0	0	0	0	---	---	28
29	---		---	---	0.216	0	0	0	0	0	---	---	29
30	---		---	---	0.478	0	0	0	0	0	---	---	30
31	---		---		1.01		0	0		0		---	31
TOTAL	---	---	---	---	9.12	0.588	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.294	0.0196	0	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.334	0.0645	0	0	0	0	---	---	ST.D.
MAX	---	---	---	---	1.02	0.315	0	0	0	0	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 9.71

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.9061 B1= 1.2431 A2= 0.0000 B2= 0.0000 R^2= 0.9423 N= 9.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.324	0.0807	0	0	0	0	---	---	1
2	---	---	---	---	0.267	0.0288	0	0	0	0	---	---	2
3	---	---	---	---	0.165	0.0163	0	0	0	0	---	---	3
4	---	---	---	---	0.118	0.0013	0	0	0	0	---	---	4
5	---	---	---	---	0.0918	0.0002	0	0	0	0	---	---	5
6	---	---	---	---	0.171	0.0000*	0	0	0	0	---	---	6
7	---	---	---	---	0.0641	0	0	0	0	0	---	---	7
8	---	---	---	---	0.0346	0	0	0	0	0	---	---	8
9	---	---	---	---	0.116	0	0	0	0	0	---	---	9
10	---	---	---	---	0.0764	0	0	0	0	0	---	---	10
11	---	---	---	---	0.0302	0	0	0	0	0	---	---	11
12	---	---	---	---	0.0185	0	0	0	0	0	---	---	12
13	---	---	---	---	0.0070	0	0	0	0	0	---	---	13
14	---	---	---	---	0.0020*	0	0	0	0	0	---	---	14
15	---	---	---	---	0.0013	0	0	0	0	0	---	---	15
16	---	---	---	---	0.0006	0	0	0	0	0	---	---	16
17	---	---	---	---	0.0006	0	0	0	0	0	---	---	17
18	---	---	---	---	0.0009	0	0	0	0	0	---	---	18
19	---	---	---	---	0.0004	0	0	0	0	0	---	---	19
20	---	---	---	---	0.0002	0	0	0	0	0	---	---	20
21	---	---	---	---	0	0	0	0	0	0	---	---	21
22	---	---	---	---	0	0	0	0	0	0	---	---	22
23	---	---	---	---	0	0	0	0	0	0	---	---	23
24	---	---	---	---	0	0	0	0	0	0	---	---	24
25	---	---	---	---	0.0001*	0	0	0	0	0	---	---	25
26	---	---	---	---	0.423*	0	0	0	0	0	---	---	26
27	---	---	---	---	0.406	0	0	0	0	0	---	---	27
28	---	---	---	---	0.129*	0	0	0	0	0	---	---	28
29	---		---	---	0.0475	0	0	0	0	0	---	---	29
30	---		---	---	0.145	0	0	0	0	0	---	---	30
31	---		---		0.415		0	0		0		---	31
TOTAL	---	---	---	---	3.06	0.127	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.0986	0.0042	0	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.134	0.0156	0	0	0	0	---	---	ST.D.
MAX	---	---	---	---	0.423	0.0807	0	0	0	0	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 3.18

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 6.1497 B1= 1.7460 A2= 0.0000 B2= 0.0000 R^2= 0.8273 N= 9.

TOTAL DAILY DISCHARGE FOR 1991 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0	0	7
8	---	---	---	---	---	---	---	---	---	---	0	1.81	8
9	---	---	---	---	---	---	---	---	---	---	0	11.4	9
10	---	---	---	---	---	---	---	---	---	---	0	3.40	10
11	---	---	---	---	---	---	---	---	---	---	0	1.60	11
12	---	---	---	---	---	---	---	---	---	---	0	0.933	12
13	---	---	---	---	---	---	---	---	---	---	0	2.73	13
14	---	---	---	---	---	---	---	---	---	---	0	2.16	14
15	---	---	---	---	---	---	---	---	---	---	0	0.950	15
16	---	---	---	---	---	---	---	---	---	---	0	0.233	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0864	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0778	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0518	19
20	---	---	---	---	---	---	---	---	---	---	0	0.0518	20
21	---	---	---	---	---	---	---	---	---	---	0	0.0605	21
22	---	---	---	---	---	---	---	---	---	---	0	0.0691	22
23	---	---	---	---	---	---	---	---	---	---	0	0.0691	23
24	---	---	---	---	---	---	---	---	---	---	0	0.0691	24
25	---	---	---	---	---	---	---	---	---	---	0	0.0518	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0259	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0259	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0173	28
29	---		---	---	---	---	---	---	---	---	0	0.0518	29
30	---		---	---	---	---	---	---	---	---	0	0.0518	30
31	---		---		---		---	---		---		0.0518	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0	26.0	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0	0.840	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0	2.16	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0	11.4	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 26.0
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0	0	7
8	---	---	---	---	---	---	---	---	---	---	0	0.0609*	8
9	---	---	---	---	---	---	---	---	---	---	0	0.257*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.0996*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0551	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0362	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0838	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0698	14
15	---	---	---	---	---	---	---	---	---	---	0	0.0367	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0122*	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0056	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0052	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0038	19
20	---	---	---	---	---	---	---	---	---	---	0	0.0038	20
21	---	---	---	---	---	---	---	---	---	---	0	0.0043	21
22	---	---	---	---	---	---	---	---	---	---	0	0.0047	22
23	---	---	---	---	---	---	---	---	---	---	0	0.0047	23
24	---	---	---	---	---	---	---	---	---	---	0	0.0047	24
25	---	---	---	---	---	---	---	---	---	---	0	0.0038	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0022	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0022	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0016	28
29	---		---	---	---	---	---	---	---	---	0	0.0038	29
30	---		---	---	---	---	---	---	---	---	0	0.0038	30
31	---		---		---		---	---		---		0.0038	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0	0.769	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0	0.0248	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0	0.0511	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0	0.257	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.769

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 14.4833 B1= 0.7824 A2= 0.0000 B2= 0.0000 R^2= 0.6029 N= 9.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0	0	7
8	---	---	---	---	---	---	---	---	---	---	0	0.291*	8
9	---	---	---	---	---	---	---	---	---	---	0	2.30*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.590*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.252	11
12	---	---	---	---	---	---	---	---	---	---	0	0.137	12
13	---	---	---	---	---	---	---	---	---	---	0	0.460	13
14	---	---	---	---	---	---	---	---	---	---	0	0.354	14
15	---	---	---	---	---	---	---	---	---	---	0	0.140	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0289*	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0094	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0084	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0053	19
20	---	---	---	---	---	---	---	---	---	---	0	0.0053	20
21	---	---	---	---	---	---	---	---	---	---	0	0.0063	21
22	---	---	---	---	---	---	---	---	---	---	0	0.0073	22
23	---	---	---	---	---	---	---	---	---	---	0	0.0073	23
24	---	---	---	---	---	---	---	---	---	---	0	0.0073	24
25	---	---	---	---	---	---	---	---	---	---	0	0.0053	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0024	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0024	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0015	28
29	---		---	---	---	---	---	---	---	---	0	0.0053	29
30	---		---	---	---	---	---	---	---	---	0	0.0053	30
31	---		---		---		---	---		---		0.0053	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0	4.64	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0	0.150	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0	0.427	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0	2.30	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 4.64

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2600 B1= 1.1254 A2= 0.0000 B2= 0.0000 R^2= 0.8882 N= 7.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0	0	7
8	---	---	---	---	---	---	---	---	---	---	0	0.123*	8
9	---	---	---	---	---	---	---	---	---	---	0	1.28*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.275*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.105	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0530	12
13	---	---	---	---	---	---	---	---	---	---	0	0.207	13
14	---	---	---	---	---	---	---	---	---	---	0	0.154	14
15	---	---	---	---	---	---	---	---	---	---	0	0.0542	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0091*	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0026	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0022	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0013	19
20	---	---	---	---	---	---	---	---	---	---	0	0.0013	20
21	---	---	---	---	---	---	---	---	---	---	0	0.0016	21
22	---	---	---	---	---	---	---	---	---	---	0	0.0019	22
23	---	---	---	---	---	---	---	---	---	---	0	0.0019	23
24	---	---	---	---	---	---	---	---	---	---	0	0.0019	24
25	---	---	---	---	---	---	---	---	---	---	0	0.0013	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0006	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0006	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0003	28
29	---		---	---	---	---	---	---	---	---	0	0.0013	29
30	---		---	---	---	---	---	---	---	---	0	0.0013	30
31	---		---		---		---	---		---		0.0013	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0	2.28	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0	0.0736	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0	0.234	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0	1.28	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 2.28

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1943 B1= 1.2717 A2= 0.0000 B2= 0.0000 R^2= 0.9325 N= 9.

TOTAL DAILY DISCHARGE FOR 1992 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0864	1.81	10.6	---	---	---	---	---	---	---	---	---	1
2	0.0864	1.56	9.47	---	---	---	---	---	---	---	---	---	2
3	0.0864	1.30	7.55	---	---	---	---	---	---	---	---	---	3
4	0.490	1.12	8.67	---	---	---	---	---	---	---	---	---	4
5	6.88	0.950	10.8	---	---	---	---	---	---	---	---	---	5
6	5.28	0.778	17.3	---	---	---	---	---	---	---	---	---	6
7	1.97	0.691	32.0	---	---	---	---	---	---	---	---	---	7
8	1.11	0.605	25.5	---	---	---	---	---	---	---	---	---	8
9	1.42	0.518	13.3	---	---	---	---	---	---	---	---	---	9
10	4.10	0.432	20.0	---	---	---	---	---	---	---	---	---	10
11	1.65	0.346	5.18	---	---	---	---	---	---	---	---	---	11
12	1.05	0.259	2.59	---	---	---	---	---	---	---	---	---	12
13	10.2	0.173	2.07	---	---	---	---	---	---	---	---	---	13
14	12.9	0.173	1.73	---	---	---	---	---	---	---	---	---	14
15	7.78	3.46	1.56	---	---	---	---	---	---	---	---	---	15
16	5.62	21.6	1.47	---	---	---	---	---	---	---	---	---	16
17	3.80	20.0	1.38	---	---	---	---	---	---	---	---	---	17
18	2.59	13.7	1.30	---	---	---	---	---	---	---	---	---	18
19	1.73	43.2	1.21	---	---	---	---	---	---	---	---	---	19
20	1.21	32.2	1.12	---	---	---	---	---	---	---	---	---	20
21	1.04	20.1	1.12	---	---	---	---	---	---	---	---	---	21
22	0.864	21.0	1.12	---	---	---	---	---	---	---	---	---	22
23	11.0	25.1	1.38	---	---	---	---	---	---	---	---	---	23
24	34.1	15.5	1.66	---	---	---	---	---	---	---	---	---	24
25	24.9	11.4	2.37	---	---	---	---	---	---	---	---	---	25
26	9.55	10.2	5.87	---	---	---	---	---	---	---	---	---	26
27	4.31	12.2	5.36	---	---	---	---	---	---	---	---	---	27
28	3.24	14.7	2.35	---	---	---	---	---	---	---	---	---	28
29	2.59	7.78	1.75	---	---	---	---	---	---	---	---	---	29
30	2.25		1.97	---	---	---	---	---	---	---	---	---	30
31	1.99		2.25		0		---	---		---		---	31
TOTAL	165	282	201	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	5.35	9.76	6.51	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	7.41	11.3	7.81	---	---	---	---	---	---	---	---	---	ST.D.
MAX	34.1	43.2	32.0	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0864	0.173	1.12	---	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 648
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0000	0.0081	0.481	---	---	---	---	---	---	---	---	---	1
2	0.0000	0.0059	0.256	---	---	---	---	---	---	---	---	---	2
3	0.0000	0.0041	0.174	---	---	---	---	---	---	---	---	---	3
4	0.0036	0.0030	0.233	---	---	---	---	---	---	---	---	---	4
5	0.137	0.0021	0.347	---	---	---	---	---	---	---	---	---	5
6	0.0838	0.0014	1.17*	---	---	---	---	---	---	---	---	---	6
7	0.0101	0.0011	3.58*	---	---	---	---	---	---	---	---	---	7
8	0.0030	0.0008	2.07*	---	---	---	---	---	---	---	---	---	8
9	0.0065	0.0006	0.502	---	---	---	---	---	---	---	---	---	9
10	0.0447	0.0004	1.52*	---	---	---	---	---	---	---	---	---	10
11	0.0073	0.0003	0.0713	---	---	---	---	---	---	---	---	---	11
12	0.0028	0.0001	0.0170	---	---	---	---	---	---	---	---	---	12
13	0.367	0.0001	0.0107	---	---	---	---	---	---	---	---	---	13
14	0.467	0.0001*	0.0074	---	---	---	---	---	---	---	---	---	14
15	0.165	0.0309*	0.0059	---	---	---	---	---	---	---	---	---	15
16	0.0842	1.36*	0.0053	---	---	---	---	---	---	---	---	---	16
17	0.0376	1.21	0.0046*	---	---	---	---	---	---	---	---	---	17
18	0.0170	0.547*	0.0041	---	---	---	---	---	---	---	---	---	18
19	0.0074	5.71*	0.0035	---	---	---	---	---	---	---	---	---	19
20	0.0035	3.34*	0.0030	---	---	---	---	---	---	---	---	---	20
21	0.0026	1.20*	0.0030	---	---	---	---	---	---	---	---	---	21
22	0.0018	1.31	0.0030	---	---	---	---	---	---	---	---	---	22
23	0.619	2.03	0.0046	---	---	---	---	---	---	---	---	---	23
24	3.55*	0.726	0.0072	---	---	---	---	---	---	---	---	---	24
25	1.94	0.375	0.0174	---	---	---	---	---	---	---	---	---	25
26	0.279	0.290	0.0930	---	---	---	---	---	---	---	---	---	26
27	0.0495	0.509	0.0790	---	---	---	---	---	---	---	---	---	27
28	0.0271	0.721*	0.0142	---	---	---	---	---	---	---	---	---	28
29	0.0170	0.165	0.0075	---	---	---	---	---	---	---	---	---	29
30	0.0127		0.0097	---	---	---	---	---	---	---	---	---	30
31	0.0098		0.0138		0		---	---		---		---	31
TOTAL	7.96	19.5	10.7	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.257	0.674	0.346	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.712	1.24	0.772	---	---	---	---	---	---	---	---	---	ST.D.
MAX	3.55	5.71	3.58	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0000	0.0001	0.0030	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 38.2

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 276.6929 B1= 2.0667 A2= 0.0000 B2= 0.0000 R^2= 0.8625 N= 26.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0009	0.103	1.86	---	---	---	---	---	---	---	---	---	1
2	0.0009	0.0811	1.33	---	---	---	---	---	---	---	---	---	2
3	0.0009	0.0612	0.967	---	---	---	---	---	---	---	---	---	3
4	0.0329	0.0491	1.20	---	---	---	---	---	---	---	---	---	4
5	0.821	0.0380	1.65	---	---	---	---	---	---	---	---	---	5
6	0.559	0.0279	3.72*	---	---	---	---	---	---	---	---	---	6
7	0.118	0.0232	9.06*	---	---	---	---	---	---	---	---	---	7
8	0.0484	0.0189	6.20*	---	---	---	---	---	---	---	---	---	8
9	0.0783	0.0149	2.21	---	---	---	---	---	---	---	---	---	9
10	0.364	0.0113	4.60*	---	---	---	---	---	---	---	---	---	10
11	0.0917	0.0080	0.518	---	---	---	---	---	---	---	---	---	11
12	0.0453	0.0051	0.178	---	---	---	---	---	---	---	---	---	12
13	1.63	0.0027	0.126	---	---	---	---	---	---	---	---	---	13
14	2.10	0.0027*	0.0954	---	---	---	---	---	---	---	---	---	14
15	0.968	0.277*	0.0811	---	---	---	---	---	---	---	---	---	15
16	0.586	4.67*	0.0742	---	---	---	---	---	---	---	---	---	16
17	0.321	4.22	0.0676*	---	---	---	---	---	---	---	---	---	17
18	0.178	2.33*	0.0612	---	---	---	---	---	---	---	---	---	18
19	0.0954	13.6*	0.0551	---	---	---	---	---	---	---	---	---	19
20	0.0551	8.87*	0.0491	---	---	---	---	---	---	---	---	---	20
21	0.0434	4.22*	0.0491	---	---	---	---	---	---	---	---	---	21
22	0.0328	4.50	0.0491	---	---	---	---	---	---	---	---	---	22
23	2.17	6.09	0.0676	---	---	---	---	---	---	---	---	---	23
24	9.49*	2.86	0.0917	---	---	---	---	---	---	---	---	---	24
25	5.94	1.77	0.167	---	---	---	---	---	---	---	---	---	25
26	1.38	1.47	0.629	---	---	---	---	---	---	---	---	---	26
27	0.392	2.09	0.553	---	---	---	---	---	---	---	---	---	27
28	0.251	2.74*	0.154	---	---	---	---	---	---	---	---	---	28
29	0.178	0.968	0.0970	---	---	---	---	---	---	---	---	---	29
30	0.143		0.117	---	---	---	---	---	---	---	---	---	30
31	0.118		0.148		0		---	---		---		---	31
TOTAL	28.2	61.1	36.2	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.911	2.11	1.17	---	---	----	---	---	---	---	---	---	MEAN
ST.D.	1.97	3.17	2.08	---	---	---	---	---	---	---	---	---	ST.D.
MAX	9.49	13.6	9.06	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0009	0.0027	0.0491	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 126

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.4572 B1= 1.5405 A2= 0.0000 B2= 0.0000 R^2= 0.9110 N= 27.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0005	0.0375	0.498	---	---	---	---	---	---	---	---	---	1
2	0.0005	0.0302	0.380	---	---	---	---	---	---	---	---	---	2
3	0.0005	0.0234	0.283	---	---	---	---	---	---	---	---	---	3
4	0.0112	0.0192	0.344	---	---	---	---	---	---	---	---	---	4
5	0.245	0.0152	0.461	---	---	---	---	---	---	---	---	---	5
6	0.172	0.0115	0.942*	---	---	---	---	---	---	---	---	---	6
7	0.0424	0.0097	2.14*	---	---	---	---	---	---	---	---	---	7
8	0.0189	0.0081	1.53*	---	---	---	---	---	---	---	---	---	8
9	0.0285	0.0065	0.605	---	---	---	---	---	---	---	---	---	9
10	0.118	0.0051	1.15*	---	---	---	---	---	---	---	---	---	10
11	0.0335	0.0037	0.162	---	---	---	---	---	---	---	---	---	11
12	0.0177	0.0025	0.0617	---	---	---	---	---	---	---	---	---	12
13	0.449	0.0014	0.0452	---	---	---	---	---	---	---	---	---	13
14	0.579	0.0014*	0.0350	---	---	---	---	---	---	---	---	---	14
15	0.286	0.0922*	0.0302	---	---	---	---	---	---	---	---	---	15
16	0.182	1.19*	0.0279	---	---	---	---	---	---	---	---	---	16
17	0.105	1.08	0.0257*	---	---	---	---	---	---	---	---	---	17
18	0.0617	0.634*	0.0234	---	---	---	---	---	---	---	---	---	18
19	0.0350	3.14*	0.0213	---	---	---	---	---	---	---	---	---	19
20	0.0213	2.12*	0.0192	---	---	---	---	---	---	---	---	---	20
21	0.0172	1.09*	0.0192	---	---	---	---	---	---	---	---	---	21
22	0.0133	1.15	0.0192	---	---	---	---	---	---	---	---	---	22
23	0.563	1.51	0.0257	---	---	---	---	---	---	---	---	---	23
24	2.26*	0.762	0.0336	---	---	---	---	---	---	---	---	---	24
25	1.47	0.494	0.0571	---	---	---	---	---	---	---	---	---	25
26	0.392	0.417	0.194	---	---	---	---	---	---	---	---	---	26
27	0.126	0.564	0.172	---	---	---	---	---	---	---	---	---	27
28	0.0843	0.725*	0.0541	---	---	---	---	---	---	---	---	---	28
29	0.0617	0.286	0.0356	---	---	---	---	---	---	---	---	---	29
30	0.0505		0.0421	---	---	---	---	---	---	---	---	---	30
31	0.0426		0.0518		0		---	---		---		---	31
TOTAL	7.50	15.4	9.49	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.242	0.532	0.306	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.475	0.752	0.501	---	---	---	---	---	---	---	---	---	ST.D.
MAX	2.26	3.14	2.14	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0005	0.0014	0.0192	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 32.4

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0956 B1= 1.3964 A2= 0.0000 B2= 0.0000 R^2= 0.8732 N= 27.

TOTAL DAILY DISCHARGE FOR 1992 Kettle Creek Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	5.13	1.20	0	---	---	---	---	---	---	1
2	---	---	---	2.80	1.19	0	---	---	---	---	---	---	2
3	---	---	---	1.93	1.02	0	---	---	---	---	---	---	3
4	---	---	---	1.98	0.835	0	---	---	---	---	---	---	4
5	---	---	---	1.50	1.03	0	---	---	---	---	---	---	5
6	---	---	---	1.30	1.39	0	---	---	---	---	---	---	6
7	---	---	---	1.30	1.48	0	---	---	---	---	---	---	7
8	---	---	---	1.12	1.26	0	---	---	---	---	---	---	8
9	---	---	---	1.09	1.04	0	---	---	---	---	---	---	9
10	---	---	---	0.914	0.821	0	---	---	---	---	---	---	10
11	---	---	---	1.36	0.623	0	---	---	---	---	---	---	11
12	---	---	---	1.43	0.497	0	---	---	---	---	---	---	12
13	---	---	---	1.36	0.414	0	---	---	---	---	---	---	13
14	---	---	---	1.48	0.252	0	---	---	---	---	---	---	14
15	---	---	---	1.53	0.173	0	---	---	---	---	---	---	15
16	---	---	---	39.4	0.126	0	---	---	---	---	---	---	16
17	---	---	---	20.9	0.0900	0	---	---	---	---	---	---	17
18	---	---	---	10.7	0.0864	0	---	---	---	---	---	---	18
19	---	---	---	7.03	0.0864	0	---	---	---	---	---	---	19
20	---	---	---	3.81	0.0288	0	---	---	---	---	---	---	20
21	---	---	---	5.93	0	0	---	---	---	---	---	---	21
22	---	---	---	5.83	0	0	---	---	---	---	---	---	22
23	---	---	---	3.25	0	0	---	---	---	---	---	---	23
24	---	---	---	25.7	0	0	---	---	---	---	---	---	24
25	---	---	---	13.2	0	0	---	---	---	---	---	---	25
26	---	---	---	8.07	0	0	---	---	---	---	---	---	26
27	---	---	---	4.59	0	0	---	---	---	---	---	---	27
28	---	---	---	2.39	0	0	---	---	---	---	---	---	28
29	---	---	---	1.61	0	0	---	---	---	---	---	---	29
30	---		---	1.50	0	0	---	---	---	---	---	---	30
31	---		---		0		---	---		---		---	31
TOTAL	---	---	---	180	13.6	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	6.00	0.440	0	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	8.63	0.518	0	---	---	---	---	---	---	ST.D.
MAX	---	---	---	39.4	1.48	0	---	---	---	---	---	---	MAX
MIN	---	---	---	0.914	0	0	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 193
DRAINAGE AREA (hectares), 354.0

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0975	0.0027	0	---	---	---	---	---	---	1
2	---	---	---	0.0225	0.0027	0	---	---	---	---	---	---	2
3	---	---	---	0.0087	0.0018	0	---	---	---	---	---	---	3
4	---	---	---	0.0093	0.0011	0	---	---	---	---	---	---	4
5	---	---	---	0.0047	0.0019	0	---	---	---	---	---	---	5
6	---	---	---	0.0033	0.0038	0	---	---	---	---	---	---	6
7	---	---	---	0.0033*	0.0045	0	---	---	---	---	---	---	7
8	---	---	---	0.0023	0.0031	0	---	---	---	---	---	---	8
9	---	---	---	0.0021	0.0019	0	---	---	---	---	---	---	9
10	---	---	---	0.0014	0.0011	0	---	---	---	---	---	---	10
11	---	---	---	0.0040	0.0005	0	---	---	---	---	---	---	11
12	---	---	---	0.0042	0.0003	0	---	---	---	---	---	---	12
13	---	---	---	0.0037	0.0002	0	---	---	---	---	---	---	13
14	---	---	---	0.0045	0.0001	0	---	---	---	---	---	---	14
15	---	---	---	0.0049	0.0000	0	---	---	---	---	---	---	15
16	---	---	---	97.6*	0.0000	0	---	---	---	---	---	---	16
17	---	---	---	4.33*	0	0	---	---	---	---	---	---	17
18	---	---	---	0.596*	0	0	---	---	---	---	---	---	18
19	---	---	---	0.219	0	0	---	---	---	---	---	---	19
20	---	---	---	0.0473	0	0	---	---	---	---	---	---	20
21	---	---	---	0.216*	0	0	---	---	---	---	---	---	21
22	---	---	---	0.148	0	0	---	---	---	---	---	---	22
23	---	---	---	0.0390	0	0	---	---	---	---	---	---	23
24	---	---	---	9.74	0	0	---	---	---	---	---	---	24
25	---	---	---	0.988	0	0	---	---	---	---	---	---	25
26	---	---	---	0.306	0	0	---	---	---	---	---	---	26
27	---	---	---	0.0780	0	0	---	---	---	---	---	---	27
28	---	---	---	0.0151	0	0	---	---	---	---	---	---	28
29	---	---	---	0.0056	0	0	---	---	---	---	---	---	29
30	---		---	0.0047	0	0	---	---	---	---	---	---	30
31	---		---		0		---	---		---		---	31
TOTAL	---	---	---	114	0.0257	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	3.82	0.0008	0	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	17.8	0.0013	0	---	---	---	---	---	---	ST.D.
MAX	---	---	---	97.6	0.0045	0	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0014	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 114

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1164.2130 B1= 2.4622 A2= 0.0000 B2= 0.0000 R^2= 0.9785 N= 14.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.450	0.0270	0	---	---	---	---	---	---	1
2	---	---	---	0.141	0.0265	0	---	---	---	---	---	---	2
3	---	---	---	0.0677	0.0195	0	---	---	---	---	---	---	3
4	---	---	---	0.0711	0.0134	0	---	---	---	---	---	---	4
5	---	---	---	0.0414	0.0202	0	---	---	---	---	---	---	5
6	---	---	---	0.0314	0.0356	0	---	---	---	---	---	---	6
7	---	---	---	0.0317*	0.0403	0	---	---	---	---	---	---	7
8	---	---	---	0.0236	0.0298	0	---	---	---	---	---	---	8
9	---	---	---	0.0224	0.0204	0	---	---	---	---	---	---	9
10	---	---	---	0.0159	0.0131	0	---	---	---	---	---	---	10
11	---	---	---	0.0359	0.0076	0	---	---	---	---	---	---	11
12	---	---	---	0.0380	0.0050	0	---	---	---	---	---	---	12
13	---	---	---	0.0342	0.0035	0	---	---	---	---	---	---	13
14	---	---	---	0.0403	0.0013	0	---	---	---	---	---	---	14
15	---	---	---	0.0432	0.0006	0	---	---	---	---	---	---	15
16	---	---	---	73.2*	0.0004	0	---	---	---	---	---	---	16
17	---	---	---	8.09*	0.0002	0	---	---	---	---	---	---	17
18	---	---	---	1.87*	0.0002	0	---	---	---	---	---	---	18
19	---	---	---	0.842	0.0002	0	---	---	---	---	---	---	19
20	---	---	---	0.254	0.0001	0	---	---	---	---	---	---	20
21	---	---	---	0.756*	0	0	---	---	---	---	---	---	21
22	---	---	---	0.608	0	0	---	---	---	---	---	---	22
23	---	---	---	0.205	0	0	---	---	---	---	---	---	23
24	---	---	---	14.2	0	0	---	---	---	---	---	---	24
25	---	---	---	2.78	0	0	---	---	---	---	---	---	25
26	---	---	---	1.10	0	0	---	---	---	---	---	---	26
27	---	---	---	0.373	0	0	---	---	---	---	---	---	27
28	---	---	---	0.104	0	0	---	---	---	---	---	---	28
29	---	---	---	0.0479	0	0	---	---	---	---	---	---	29
30	---		---	0.0418	0	0	---	---	---	---	---	---	30
31	---		---		0		---	---		---		---	31
TOTAL	---	---	---	105	0.265	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	3.52	0.0085	0	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	13.5	0.0124	0	---	---	---	---	---	---	ST.D.
MAX	---	---	---	73.2	0.0403	0	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0159	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 105

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.2206 B1= 1.9349 A2= 0.0000 B2= 0.0000 R^2= 0.9630 N= 10.

Watershed: Kettle Creek Control Area: 354. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.100	0.0093	0	---	---	---	---	---	---	1
2	---	---	---	0.0374	0.0091	0	---	---	---	---	---	---	2
3	---	---	---	0.0202	0.0071	0	---	---	---	---	---	---	3
4	---	---	---	0.0211	0.0051	0	---	---	---	---	---	---	4
5	---	---	---	0.0133	0.0073	0	---	---	---	---	---	---	5
6	---	---	---	0.0106	0.0117	0	---	---	---	---	---	---	6
7	---	---	---	0.0106*	0.0131	0	---	---	---	---	---	---	7
8	---	---	---	0.0083	0.0101	0	---	---	---	---	---	---	8
9	---	---	---	0.0079	0.0073	0	---	---	---	---	---	---	9
10	---	---	---	0.0059	0.0050	0	---	---	---	---	---	---	10
11	---	---	---	0.0117	0.0032	0	---	---	---	---	---	---	11
12	---	---	---	0.0124	0.0022	0	---	---	---	---	---	---	12
13	---	---	---	0.0114	0.0016	0	---	---	---	---	---	---	13
14	---	---	---	0.0131	0.0007	0	---	---	---	---	---	---	14
15	---	---	---	0.0138	0.0004	0	---	---	---	---	---	---	15
16	---	---	---	5.93*	0.0002	0	---	---	---	---	---	---	16
17	---	---	---	1.10*	0.0001	0	---	---	---	---	---	---	17
18	---	---	---	0.334*	0.0001	0	---	---	---	---	---	---	18
19	---	---	---	0.169	0.0001	0	---	---	---	---	---	---	19
20	---	---	---	0.0617	0.0000	0	---	---	---	---	---	---	20
21	---	---	---	0.146*	0	0	---	---	---	---	---	---	21
22	---	---	---	0.127	0	0	---	---	---	---	---	---	22
23	---	---	---	0.0501	0	0	---	---	---	---	---	---	23
24	---	---	---	1.70	0	0	---	---	---	---	---	---	24
25	---	---	---	0.467	0	0	---	---	---	---	---	---	25
26	---	---	---	0.212	0	0	---	---	---	---	---	---	26
27	---	---	---	0.0848	0	0	---	---	---	---	---	---	27
28	---	---	---	0.0289	0	0	---	---	---	---	---	---	28
29	---	---	---	0.0151	0	0	---	---	---	---	---	---	29
30	---		---	0.0135	0	0	---	---	---	---	---	---	30
31	---		---		0		---	---		---		---	31
TOTAL	---	---	---	10.7	0.0940	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.358	0.0030	0	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	1.11	0.0042	0	---	---	---	---	---	---	ST.D.
MAX	---	---	---	5.93	0.0131	0	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0059	0	0	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 10.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1171 B1= 1.6359 A2= 0.0000 B2= 0.0000 R^2= 0.8974 N= 14.

PITTOCK TEST WATER QUALITY LOADS

TOTAL DAILY DISCHARGE FOR 1989 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.03	7.51	0.0864	7.55	---	---	---	---	---	---	---	---	1
2	1.74	3.84	0.0864	7.40	---	---	---	---	---	---	---	---	2
3	1.32	2.55	0.0864	17.2	---	---	---	---	---	---	---	---	3
4	1.04	2.00	0.112	21.7	---	---	---	---	---	---	---	---	4
5	0.605	1.47	0.0936	16.0	---	---	---	---	---	---	---	---	5
6	0.486	0.864	0.0864	14.0	---	---	---	---	---	---	---	---	6
7	0.486	0.691	0.0864	9.87	---	---	---	---	---	---	---	---	7
8	23.4	0.605	0.0864	6.53	---	---	---	---	---	---	---	---	8
9	9.22	0.259	0.130	4.69	---	---	---	---	---	---	---	---	9
10	4.45	0.259	3.46	3.98	---	---	---	---	---	---	---	---	10
11	2.31	0.259	6.52	3.29	---	---	---	---	---	---	---	---	11
12	5.42	0.173	2.59	4.38	---	---	---	---	---	---	---	---	12
13	2.59	0.173	1.47	8.36	---	---	---	---	---	---	---	---	13
14	1.67	0.778	3.19	7.27	---	---	---	---	---	---	---	---	14
15	1.43	0.778	5.00	10.6	---	---	---	---	---	---	---	---	15
16	0.860	0.259	1.13	6.66	---	---	---	---	---	---	---	---	16
17	0.796	0.173	0.540	5.11	---	---	---	---	---	---	---	---	17
18	1.47	0.173	7.91	6.06	---	---	---	---	---	---	---	---	18
19	2.02	0.173	4.60	3.97	---	---	---	---	---	---	---	---	19
20	1.04	0.173	2.57	2.79	---	---	---	---	---	---	---	---	20
21	0.605	0.173	1.58	2.01	---	---	---	---	---	---	---	---	21
22	0.778	0.155	1.03	1.42	---	---	---	---	---	---	---	---	22
23	0.864	0.0864	3.84	1.04	---	---	---	---	---	---	---	---	23
24	1.47	0.0864	8.08	0.774	---	---	---	---	---	---	---	---	24
25	1.12	0.0864	18.1	0.709	---	---	---	---	---	---	---	---	25
26	7.34	0.166	13.6	0.608	---	---	---	---	---	---	---	---	26
27	2.57	0.101	13.2	0.522	---	---	---	---	---	---	---	---	27
28	3.21	0.0864	24.5	0.486	---	---	---	---	---	---	---	---	28
29	4.05		28.2	0.443	---	---	---	---	---	---	---	---	29
30	6.71		15.7	0.349	---	---	---	---	---	---	---	---	30
31	5.88		11.7		---		---	---		---			31
TOTAL	99.1	24.1	179	175	---	---	---	---	---	---	---	---	TOTAL
MEAN	3.20	0.860	5.78	5.86	---	---	---	---	---	---	---	---	MEAN
ST.D.	4.38	1.57	7.53	5.52	---	---	---	---	---	---	---	---	ST.D.
MAX	23.4	7.51	28.2	21.7	---	---	---	---	---	---	---	---	MAX
MIN	0.486	0.0864	0.0864	0.349	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 478
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0292	0.241	0.0002	0.242	---	---	---	---	---	---	---	---	1
2	0.0227	0.0820	0.0002	0.233	---	---	---	---	---	---	---	---	2
3	0.0147	0.0421	0.0002	0.932	---	---	---	---	---	---	---	---	3
4	0.0099	0.0285	0.0003	1.31	---	---	---	---	---	---	---	---	4
5	0.0042	0.0173	0.0002	0.800	---	---	---	---	---	---	---	---	5
6	0.0030	0.0074	0.0002	0.648	---	---	---	---	---	---	---	---	6
7	0.0032	0.0052	0.0002	0.370	---	---	---	---	---	---	---	---	7
8	1.47	0.0042	0.0002	0.191	---	---	---	---	---	---	---	---	8
9	0.349	0.0011	0.0004	0.112	---	---	---	---	---	---	---	---	9
10	0.103	0.0011	0.138*	0.0858	---	---	---	---	---	---	---	---	10
11	0.0361	0.0011	0.280*	0.0636	---	---	---	---	---	---	---	---	11
12	0.157	0.0006	0.0431	0.102	---	---	---	---	---	---	---	---	12
13	0.0440	0.0006	0.0173	0.284	---	---	---	---	---	---	---	---	13
14	0.0213	0.0062	0.0715	0.226	---	---	---	---	---	---	---	---	14
15	0.0170	0.0062	0.134	0.414	---	---	---	---	---	---	---	---	15
16	0.0074	0.0011	0.0117	0.198	---	---	---	---	---	---	---	---	16
17	0.0066	0.0006*	0.0036	0.130	---	---	---	---	---	---	---	---	17
18	0.0213	0.0006	0.271	0.169	---	---	---	---	---	---	---	---	18
19	0.0291	0.0006	0.113	0.0859	---	---	---	---	---	---	---	---	19
20	0.0099	0.0006	0.0429	0.0488	---	---	---	---	---	---	---	---	20
21	0.0042	0.0006	0.0203	0.0290	---	---	---	---	---	---	---	---	21
22	0.0062	0.0005	0.0098	0.0165	---	---	---	---	---	---	---	---	22
23	0.0074	0.0002	0.0808*	0.0100	---	---	---	---	---	---	---	---	23
24	0.0173	0.0002	0.337*	0.0062	---	---	---	---	---	---	---	---	24
25	0.0113	0.0002	1.07*	0.0054	---	---	---	---	---	---	---	---	25
26	0.229	0.0005	0.622*	0.0043	---	---	---	---	---	---	---	---	26
27	0.0459	0.0002	0.601	0.0033	---	---	---	---	---	---	---	---	27
28	0.0694	0.0002	1.62*	0.0030*	---	---	---	---	---	---	---	---	28
29	0.106		2.02*	0.0025	---	---	---	---	---	---	---	---	29
30	0.200		0.775*	0.0017*	---	---	---	---	---	---	---	---	30
31	0.168		0.484		---		---	---		---		---	31
TOTAL	3.22	0.450	8.78	6.72	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.104	0.0161	0.283	0.224	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.267	0.0473	0.493	0.314	---	---	---	---	---	---	---	---	ST.D.
MAX	1.47	0.241	2.02	1.31	---	---	---	---	---	---	---	---	MAX
MIN	0.0030	0.0002	0.0002	0.0017	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 19.2

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 138.2502 B1= 1.6040 A2= 0.0000 B2= 0.0000 R^2= 0.7889 N= 34.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.343	1.95	0.0052	1.96	---	---	---	---	---	---	---	---	1
2	0.278	0.801	0.0052	1.90	---	---	---	---	---	---	---	---	2
3	0.193	0.462	0.0052	5.93	---	---	---	---	---	---	---	---	3
4	0.140	0.335	0.0074	7.94	---	---	---	---	---	---	---	---	4
5	0.0684	0.222	0.0058	5.29	---	---	---	---	---	---	---	---	5
6	0.0513	0.110	0.0052	4.44	---	---	---	---	---	---	---	---	6
7	0.0533	0.0817	0.0052	2.79	---	---	---	---	---	---	---	---	7
8	8.77	0.0684	0.0052	1.61	---	---	---	---	---	---	---	---	8
9	2.61	0.0222	0.0093	1.04	---	---	---	---	---	---	---	---	9
10	0.972	0.0222	0.987*	0.835	---	---	---	---	---	---	---	---	10
11	0.407	0.0222	1.95*	0.651	---	---	---	---	---	---	---	---	11
12	1.32	0.0130	0.472	0.956	---	---	---	---	---	---	---	---	12
13	0.476	0.0130	0.222	2.24	---	---	---	---	---	---	---	---	13
14	0.263	0.0955	0.675	1.86	---	---	---	---	---	---	---	---	14
15	0.216	0.0955	1.17	3.06	---	---	---	---	---	---	---	---	15
16	0.109	0.0222	0.159	1.66	---	---	---	---	---	---	---	---	16
17	0.0993	0.0130*	0.0600	1.17	---	---	---	---	---	---	---	---	17
18	0.245	0.0130	2.13	1.46	---	---	---	---	---	---	---	---	18
19	0.341	0.0130	1.03	0.833	---	---	---	---	---	---	---	---	19
20	0.140	0.0130	0.469	0.523	---	---	---	---	---	---	---	---	20
21	0.0684	0.0130	0.249	0.338	---	---	---	---	---	---	---	---	21
22	0.0955	0.0113	0.138	0.213	---	---	---	---	---	---	---	---	22
23	0.110	0.0052	0.795*	0.141	---	---	---	---	---	---	---	---	23
24	0.222	0.0052	2.39*	0.0950	---	---	---	---	---	---	---	---	24
25	0.156	0.0052	6.51*	0.0846	---	---	---	---	---	---	---	---	25
26	1.88	0.0123	4.28*	0.0693	---	---	---	---	---	---	---	---	26
27	0.495	0.0065	4.15	0.0563	---	---	---	---	---	---	---	---	27
28	0.666	0.0052	9.43*	0.0513*	---	---	---	---	---	---	---	---	28
29	0.928		11.3*	0.0454	---	---	---	---	---	---	---	---	29
30	1.68		5.15*	0.0330*	---	---	---	---	---	---	---	---	30
31	1.43		3.49		---		---	---		---			31
TOTAL	24.8	4.45	57.3	49.3	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.801	0.159	1.85	1.64	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.61	0.392	2.87	1.96	---	---	---	---	---	---	---	---	ST.D.
MAX	8.77	1.95	11.3	7.94	---	---	---	---	---	---	---	---	MAX
MIN	0.0513	0.0052	0.0052	0.0330	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 135

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.5744 B1= 1.3274 A2= 0.0000 B2= 0.0000 R^2= 0.8688 N= 34.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0971	0.434	0.0026	0.436	---	---	---	---	---	---	---	---	1
2	0.0810	0.201	0.0026	0.426	---	---	---	---	---	---	---	---	2
3	0.0593	0.126	0.0026	1.13	---	---	---	---	---	---	---	---	3
4	0.0449	0.0952	0.0035	1.46	---	---	---	---	---	---	---	---	4
5	0.0242	0.0669	0.0029	1.03	---	---	---	---	---	---	---	---	5
6	0.0189	0.0364	0.0026	0.884	---	---	---	---	---	---	---	---	6
7	0.0191	0.0282	0.0026	0.593	---	---	---	---	---	---	---	---	7
8	1.59	0.0242	0.0026	0.369	---	---	---	---	---	---	---	---	8
9	0.553	0.0092	0.0042	0.253	---	---	---	---	---	---	---	---	9
10	0.238	0.0092	0.206*	0.210	---	---	---	---	---	---	---	---	10
11	0.113	0.0092	0.398*	0.169	---	---	---	---	---	---	---	---	11
12	0.304	0.0058	0.128	0.234	---	---	---	---	---	---	---	---	12
13	0.128	0.0058	0.0669	0.491	---	---	---	---	---	---	---	---	13
14	0.0773	0.0323	0.168	0.418	---	---	---	---	---	---	---	---	14
15	0.0649	0.0323	0.276	0.641	---	---	---	---	---	---	---	---	15
16	0.0363	0.0092	0.0497	0.378	---	---	---	---	---	---	---	---	16
17	0.0332	0.0058*	0.0214	0.280	---	---	---	---	---	---	---	---	17
18	0.0696	0.0058	0.464	0.339	---	---	---	---	---	---	---	---	18
19	0.0964	0.0058	0.249	0.209	---	---	---	---	---	---	---	---	19
20	0.0449	0.0058	0.127	0.140	---	---	---	---	---	---	---	---	20
21	0.0242	0.0058	0.0733	0.0957	---	---	---	---	---	---	---	---	21
22	0.0323	0.0051	0.0444	0.0645	---	---	---	---	---	---	---	---	22
23	0.0364	0.0026	0.201*	0.0451	---	---	---	---	---	---	---	---	23
24	0.0669	0.0026	0.492*	0.0321	---	---	---	---	---	---	---	---	24
25	0.0492	0.0026	1.21*	0.0291	---	---	---	---	---	---	---	---	25
26	0.422	0.0055	0.854*	0.0244	---	---	---	---	---	---	---	---	26
27	0.133	0.0031	0.833	0.0205	---	---	---	---	---	---	---	---	27
28	0.167	0.0026	1.69*	0.0189*	---	---	---	---	---	---	---	---	28
29	0.220		1.98*	0.0170	---	---	---	---	---	---	---	---	29
30	0.381		1.01*	0.0129*	---	---	---	---	---	---	---	---	30
31	0.330		0.719		---		---	---		---		---	31
TOTAL	5.56	1.18	11.3	10.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.179	0.0421	0.364	0.348	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.295	0.0891	0.516	0.367	---	---	---	---	---	---	---	---	ST.D.
MAX	1.59	0.434	1.98	1.46	---	---	---	---	---	---	---	---	MAX
MIN	0.0189	0.0026	0.0026	0.0129	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 28.5

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0822 B1= 1.1451 A2= 0.0000 B2= 0.0000 R^2= 0.6815 N= 34.

TOTAL DAILY DISCHARGE FOR 1989 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.302	1.10	0.0864	0	0	0	---	---	1
2	---	---	---	---	0.349	1.92	0.0864	0	0	0	---	---	2
3	---	---	---	---	0.259	1.36	0.0864	0	0	0	---	---	3
4	---	---	---	---	0.227	0.904	0.0864	0	0	0	---	---	4
5	---	---	---	---	0.403	0.565	0.0576	0	0	0	---	---	5
6	---	---	---	---	0.378	0.353	0.0468	0	0	0	---	---	6
7	---	---	---	---	0.320	0.227	0.0108	0	0	0	---	---	7
8	---	---	---	---	0.346	0.173	0	0	0	0	---	---	8
9	---	---	---	---	0.259	1.63	0	0	0	0	---	---	9
10	---	---	---	---	0.205	4.23	0	0	0	0	---	---	10
11	---	---	---	---	0.202	1.55	0	0	0	0	---	---	11
12	---	---	---	---	0.479	1.20	0	0	0	0	---	---	12
13	---	---	---	---	0.583	0.799	0	0	0	0	---	---	13
14	---	---	---	---	0.464	0.389	0	0	0	0	---	---	14
15	---	---	---	---	0.407	0.281	0	0.0072	0	0	---	---	15
16	---	---	---	---	0.295	0.259	0	0	0	0	---	---	16
17	---	---	---	---	0.248	0.353	0	0	0	0	---	---	17
18	---	---	---	---	0.212	1.05	0	0	0	0	---	---	18
19	---	---	---	---	0.176	0.490	0.0288	0	0	0	---	---	19
20	---	---	---	---	0.220	0.500	0.101	0	0	0	---	---	20
21	---	---	---	---	0.209	0.396	0.0108	0	0	0	---	---	21
22	---	---	---	---	0.169	4.53	0	0	0	0	---	---	22
23	---	---	---	---	0.155	2.43	0	0	0	0	---	---	23
24	---	---	---	---	0.155	1.63	0	0	0	0	---	---	24
25	---	---	---	---	0.155	0.976	0	0	0	0	---	---	25
26	---	---	---	---	0.698	0.630	0	0	0	0	---	---	26
27	---	---	---	---	0.277	0.374	0.0648	0	0	0	---	---	27
28	---	---	---	---	0.173	0.234	0.0504	0	0	0	---	---	28
29	---		---	---	0.140	0.133	0	0	0	0	---	---	29
30	---		---	---	1.01	0.126	0	0	0	0	---	---	30
31	---		---		1.24		0	0		0		---	31
TOTAL	---	---	---	---	10.7	30.8	0.716	0.0072	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.346	1.03	0.0231	0.0002	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.248	1.09	0.0350	0.0013	0	0	---	---	ST.D.
MAX	---	---	---	---	1.24	4.53	0.101	0.0072	0	0	---	---	MAX
MIN	---	---	---	---	0.140	0.126	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 42.2
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0024	0.0096	0.0007	0	0	0	---	---	1
2	---	---	---	---	0.0028	0.0173	0.0007	0	0	0	---	---	2
3	---	---	---	---	0.0021	0.0120	0.0007	0	0	0	---	---	3
4	---	---	---	---	0.0018	0.0078	0.0007	0	0	0	---	---	4
5	---	---	---	---	0.0033*	0.0047	0.0004	0	0	0	---	---	5
6	---	---	---	---	0.0031	0.0029	0.0004	0	0	0	---	---	6
7	---	---	---	---	0.0026*	0.0018	0.0001	0	0	0.0000*	---	---	7
8	---	---	---	---	0.0028	0.0014	0	0	0	0	---	---	8
9	---	---	---	---	0.0021	0.0161	0	0	0	0	---	---	9
10	---	---	---	---	0.0016*	0.0400	0	0	0	0	---	---	10
11	---	---	---	---	0.0016	0.0138	0	0	0	0	---	---	11
12	---	---	---	---	0.0040	0.0105	0.0000*	0	0	0	---	---	12
13	---	---	---	---	0.0049	0.0068	0	0	0	0	---	---	13
14	---	---	---	---	0.0038	0.0032	0	0	0	0	---	---	14
15	---	---	---	---	0.0033	0.0023	0	0.0001	0	0	---	---	15
16	---	---	---	---	0.0024	0.0021	0	0	0	0	---	---	16
17	---	---	---	---	0.0020	0.0029*	0	0	0	0	---	---	17
18	---	---	---	---	0.0017	0.0092*	0	0	0	0	---	---	18
19	---	---	---	---	0.0014*	0.0041	0.0002*	0	0	0	---	---	19
20	---	---	---	---	0.0017*	0.0042	0.0008*	0	0	0	---	---	20
21	---	---	---	---	0.0017	0.0033*	0.0001	0	0	0.0000*	---	---	21
22	---	---	---	---	0.0013	0.0428*	0	0	0	0	---	---	22
23	---	---	---	---	0.0012	0.0221	0	0	0	0	---	---	23
24	---	---	---	---	0.0012	0.0145	0	0	0	0	---	---	24
25	---	---	---	---	0.0012	0.0084	0	0	0	0	---	---	25
26	---	---	---	---	0.0060	0.0053	0	0	0	0	---	---	26
27	---	---	---	---	0.0022	0.0031	0.0006*	0	0	0	---	---	27
28	---	---	---	---	0.0014	0.0019	0.0004*	0	0	0	---	---	28
29	---		---	---	0.0011	0.0010*	0	0	0	0	---	---	29
30	---		---	---	0.0088	0.0010	0	0	0	0		---	30
31	---		---		0.0108		0	0		0			31
TOTAL	---	---	---	---	0.0885	0.276	0.0055	0.0001	0	0.0001	---	---	TOTAL
MEAN	---	---	---	---	0.0029	0.0092	0.0002	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.0022	0.0103	0.0003	0	0	0	---	---	ST.D.
MAX	---	---	---	---	0.0108	0.0428	0.0008	0.0001	0	0.0000	---	---	MAX
MIN	---	---	---	---	0.0011	0.0010	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 0.370

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 11.1253 B1= 1.0564 A2= 0.0000 B2= 0.0000 R^2= 0.6864 N= 36.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0489	0.213	0.0117	0	0	0	---	---	1
2	---	---	---	---	0.0575	0.402	0.0117	0	0	0	---	---	2
3	---	---	---	---	0.0411	0.270	0.0117	0	0	0	---	---	3
4	---	---	---	---	0.0353	0.170	0.0117	0	0	0	---	---	4
5	---	---	---	---	0.0679*	0.0997	0.0078	0	0	0	---	---	5
6	---	---	---	---	0.0630	0.0583	0.0064	0	0	0	---	---	6
7	---	---	---	---	0.0522*	0.0353	0.0015	0	0	0.0002*	---	---	7
8	---	---	---	---	0.0568	0.0258	0	0	0	0	---	---	8
9	---	---	---	---	0.0410	0.428	0	0	0	0	---	---	9
10	---	---	---	---	0.0315*	1.00	0	0	0	0	---	---	10
11	---	---	---	---	0.0309	0.314	0	0	0	0	---	---	11
12	---	---	---	---	0.0842	0.234	0.0002*	0	0	0	---	---	12
13	---	---	---	---	0.103	0.148	0	0	0	0	---	---	13
14	---	---	---	---	0.0796	0.0652	0	0	0	0	---	---	14
15	---	---	---	---	0.0685	0.0449	0	0.0010	0	0	---	---	15
16	---	---	---	---	0.0476	0.0410	0	0	0	0	---	---	16
17	---	---	---	---	0.0391	0.0600*	0	0	0	0	---	---	17
18	---	---	---	---	0.0328	0.206*	0	0	0	0	---	---	18
19	---	---	---	---	0.0265*	0.0846	0.0046*	0	0	0	---	---	19
20	---	---	---	---	0.0340*	0.0867	0.0141*	0	0	0	---	---	20
21	---	---	---	---	0.0321	0.0664*	0.0015	0	0	0.0007*	---	---	21
22	---	---	---	---	0.0252	1.07*	0	0	0	0	---	---	22
23	---	---	---	---	0.0229	0.522	0	0	0	0	---	---	23
24	---	---	---	---	0.0229	0.332	0	0	0	0	---	---	24
25	---	---	---	---	0.0229	0.185	0	0	0	0	---	---	25
26	---	---	---	---	0.129	0.113	0	0	0	0	---	---	26
27	---	---	---	---	0.0444	0.0623	0.0109*	0	0	0	---	---	27
28	---	---	---	---	0.0258	0.0367	0.0070*	0	0	0	---	---	28
29	---		---	---	0.0205	0.0194*	0	0	0	0	---	---	29
30	---		---	---	0.196	0.0182	0	0	0	0	---	---	30
31	---		---		0.243		0	0		0		---	31
TOTAL	---	---	---	---	1.83	6.41	0.101	0.0010	0	0.0009	---	---	TOTAL
MEAN	---	---	---	---	0.0589	0.214	0.0033	0.0000	0	0.0000	---	---	MEAN
ST.D.	---	---	---	---	0.0500	0.260	0.0049	0.0002	0	0.0001	---	---	ST.D.
MAX	---	---	---	---	0.243	1.07	0.0141	0.0010	0	0.0007	---	---	MAX
MIN	---	---	---	---	0.0205	0.0182	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 8.34

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.3510 B1= 1.1374 A2= 0.0000 B2= 0.0000 R^2= 0.8422 N= 36.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0060	0.0264	0.0014	0	0	0	---	---	1
2	---	---	---	---	0.0071	0.0501	0.0014	0	0	0	---	---	2
3	---	---	---	---	0.0050	0.0336	0.0014	0	0	0	---	---	3
4	---	---	---	---	0.0043	0.0211	0.0014	0	0	0	---	---	4
5	---	---	---	---	0.0084*	0.0123	0.0010	0	0	0	---	---	5
6	---	---	---	---	0.0078	0.0072	0.0008	0	0	0	---	---	6
7	---	---	---	---	0.0064*	0.0043	0.0002	0	0	0.0000*	---	---	7
8	---	---	---	---	0.0070	0.0032	0	0	0	0	---	---	8
9	---	---	---	---	0.0050	0.0541	0	0	0	0	---	---	9
10	---	---	---	---	0.0039*	0.125	0	0	0	0	---	---	10
11	---	---	---	---	0.0038	0.0390	0	0	0	0	---	---	11
12	---	---	---	---	0.0104	0.0290	0.0000*	0	0	0	---	---	12
13	---	---	---	---	0.0127	0.0184	0	0	0	0	---	---	13
14	---	---	---	---	0.0098	0.0080	0	0	0	0	---	---	14
15	---	---	---	---	0.0084	0.0055	0	0.0001	0	0	---	---	15
16	---	---	---	---	0.0058	0.0050	0	0	0	0	---	---	16
17	---	---	---	---	0.0048	0.0074*	0	0	0	0	---	---	17
18	---	---	---	---	0.0040	0.0255*	0	0	0	0	---	---	18
19	---	---	---	---	0.0032*	0.0104	0.0006*	0	0	0	---	---	19
20	---	---	---	---	0.0042*	0.0107	0.0017*	0	0	0	---	---	20
21	---	---	---	---	0.0039	0.0082*	0.0002	0	0	0.0001*	---	---	21
22	---	---	---	---	0.0031	0.134*	0	0	0	0	---	---	22
23	---	---	---	---	0.0028	0.0652	0	0	0	0	---	---	23
24	---	---	---	---	0.0028	0.0413	0	0	0	0	---	---	24
25	---	---	---	---	0.0028	0.0230	0	0	0	0	---	---	25
26	---	---	---	---	0.0159	0.0139	0	0	0	0	---	---	26
27	---	---	---	---	0.0054	0.0077	0.0013*	0	0	0	---	---	27
28	---	---	---	---	0.0032	0.0045	0.0009*	0	0	0	---	---	28
29	---		---	---	0.0025	0.0024*	0	0	0	0	---	---	29
30	---		---	---	0.0244	0.0022	0	0	0	0	---	---	30
31	---		---		0.0301		0	0		0		---	31
TOTAL	---	---	---	---	0.225	0.799	0.0123	0.0001	0	0.0001	---	---	TOTAL
MEAN	---	---	---	---	0.0073	0.0266	0.0004	0	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.0062	0.0327	0.0006	0.0000	0	0.0000	---	---	ST.D.
MAX	---	---	---	---	0.0301	0.134	0.0017	0.0001	0	0.0001	---	---	MAX
MIN	---	---	---	---	0.0025	0.0022	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 1.04

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0450 B1= 1.1448 A2= 0.0000 B2= 0.0000 R^2= 0.6683 N= 36.

TOTAL DAILY DISCHARGE FOR 1989 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.428	1
2	---	---	---	---	---	---	---	---	---	---	0	0.432	2
3	---	---	---	---	---	---	---	---	---	---	0	0.173	3
4	---	---	---	---	---	---	---	---	---	---	0	0.173	4
5	---	---	---	---	---	---	---	---	---	---	0	0.194	5
6	---	---	---	---	---	---	---	---	---	---	0	0.173	6
7	---	---	---	---	---	---	---	---	---	---	0.0360	0.0936	7
8	---	---	---	---	---	---	---	---	---	---	0.119	0.0864	8
9	---	---	---	---	---	---	---	---	---	---	0.0864	0.0864	9
10	---	---	---	---	---	---	---	---	---	---	0.0468	0.0864	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0864	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0864	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0864	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0864	14
15	---	---	---	---	---	---	---	---	---	---	3.02	0.0864	15
16	---	---	---	---	---	---	---	---	---	---	5.32	0.0864	16
17	---	---	---	---	---	---	---	---	---	---	1.64	0.0864	17
18	---	---	---	---	---	---	---	---	---	---	0.655	0.0756	18
19	---	---	---	---	---	---	---	---	---	---	0.349	0.0720	19
20	---	---	---	---	---	---	---	---	---	---	1.34	0.0720	20
21	---	---	---	---	---	---	---	---	---	---	1.19	0	21
22	---	---	---	---	---	---	---	---	---	---	0.522	0	22
23	---	---	---	---	---	---	---	---	---	---	0.306	0	23
24	---	---	---	---	---	---	---	---	---	---	0.187	0	24
25	---	---	---	---	---	---	---	---	---	---	0.173	0.0259	25
26	---	---	---	---	---	---	---	---	---	---	0.173	0.0259	26
27	---	---	---	---	---	---	---	---	---	---	0.151	0.0259	27
28	---	---	---	---	---	---	---	---	---	---	2.65	0.0259	28
29	---		---	---	---	---	---	---	---	---	1.43	0.0259	29
30	---		---	---	---	---	---	---	---	---	0.896	0.0259	30
31	---		---		---		---	---		---		0.0864	31
TOTAL	---	---	---	---	---	---	---	---	---	---	20.3	2.99	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.676	0.0965	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	1.18	0.103	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	5.32	0.432	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 23.3
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0038	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0039	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0012	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0012	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0014	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0012	6
7	---	---	---	---	---	---	---	---	---	---	0.0003*	0.0005	7
8	---	---	---	---	---	---	---	---	---	---	0.0008*	0.0005	8
9	---	---	---	---	---	---	---	---	---	---	0.0005*	0.0005	9
10	---	---	---	---	---	---	---	---	---	---	0.0003	0.0005	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0005*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0005	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0005*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0005	14
15	---	---	---	---	---	---	---	---	---	---	0.0600*	0.0005	15
16	---	---	---	---	---	---	---	---	---	---	0.0998*	0.0005	16
17	---	---	---	---	---	---	---	---	---	---	0.0217	0.0005	17
18	---	---	---	---	---	---	---	---	---	---	0.0067	0.0004	18
19	---	---	---	---	---	---	---	---	---	---	0.0029	0.0004	19
20	---	---	---	---	---	---	---	---	---	---	0.0173*	0.0004	20
21	---	---	---	---	---	---	---	---	---	---	0.0144	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0049	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0025	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0013	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0012	0.0001	25
26	---	---	---	---	---	---	---	---	---	---	0.0012	0.0001	26
27	---	---	---	---	---	---	---	---	---	---	0.0010*	0.0001	27
28	---	---	---	---	---	---	---	---	---	---	0.0406*	0.0001	28
29	---		---	---	---	---	---	---	---	---	0.0180	0.0001	29
30	---		---	---	---	---	---	---	---	---	0.0100	0.0001	30
31	---		---		---		---	---		---		0.0005	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.305	0.0204	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0102	0.0007	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0217	0.0009	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0998	0.0039	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 0.326

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 40.8482 B1= 1.2871 A2= 0.0000 B2= 0.0000 R^2= 0.8855 N= 35.

Watershed: Pittock Test

Area: 359. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.117	1
2	---	---	---	---	---	---	---	---	---	---	0	0.118	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0413	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0413	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0474	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0413	6
7	---	---	---	---	---	---	---	---	---	---	0.0106*	0.0206	7
8	---	---	---	---	---	---	---	---	---	---	0.0273*	0.0187	8
9	---	---	---	---	---	---	---	---	---	---	0.0187*	0.0187	9
10	---	---	---	---	---	---	---	---	---	---	0.0101	0.0187	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0187*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0187	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0187*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0187	14
15	---	---	---	---	---	---	---	---	---	---	1.22*	0.0187	15
16	---	---	---	---	---	---	---	---	---	---	2.10*	0.0187	16
17	---	---	---	---	---	---	---	---	---	---	0.543	0.0187	17
18	---	---	---	---	---	---	---	---	---	---	0.191	0.0164	18
19	---	---	---	---	---	---	---	---	---	---	0.0923	0.0156	19
20	---	---	---	---	---	---	---	---	---	---	0.438*	0.0156	20
21	---	---	---	---	---	---	---	---	---	---	0.377	0	21
22	---	---	---	---	---	---	---	---	---	---	0.146	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0797	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0454	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0413	0.0047	25
26	---	---	---	---	---	---	---	---	---	---	0.0413	0.0047	26
27	---	---	---	---	---	---	---	---	---	---	0.0360*	0.0047	27
28	---	---	---	---	---	---	---	---	---	---	0.944*	0.0047	28
29	---		---	---	---	---	---	---	---	---	0.463	0.0047	29
30	---		---	---	---	---	---	---	---	---	0.273	0.0047	30
31	---		---		---		---	---		---		0.0187	31
TOTAL	---	---	---	---	---	---	---	---	---	---	7.10	0.708	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.237	0.0228	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.459	0.0282	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	2.10	0.118	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 7.80

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.5811 B1= 1.1430 A2= 0.0000 B2= 0.0000 R^2= 0.8521 N= 35.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0453	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0456	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0141	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0141	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0165	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0141	6
7	---	---	---	---	---	---	---	---	---	---	0.0037*	0.0065	7
8	---	---	---	---	---	---	---	---	---	---	0.0090*	0.0058	8
9	---	---	---	---	---	---	---	---	---	---	0.0058*	0.0058	9
10	---	---	---	---	---	---	---	---	---	---	0.0031	0.0058	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0058*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0058	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0058*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0058	14
15	---	---	---	---	---	---	---	---	---	---	0.696*	0.0058	15
16	---	---	---	---	---	---	---	---	---	---	1.16*	0.0058	16
17	---	---	---	---	---	---	---	---	---	---	0.254	0.0058	17
18	---	---	---	---	---	---	---	---	---	---	0.0792	0.0051	18
19	---	---	---	---	---	---	---	---	---	---	0.0348	0.0048	19
20	---	---	---	---	---	---	---	---	---	---	0.203*	0.0048	20
21	---	---	---	---	---	---	---	---	---	---	0.169	0	21
22	---	---	---	---	---	---	---	---	---	---	0.0583	0	22
23	---	---	---	---	---	---	---	---	---	---	0.0296	0	23
24	---	---	---	---	---	---	---	---	---	---	0.0157	0	24
25	---	---	---	---	---	---	---	---	---	---	0.0141	0.0012	25
26	---	---	---	---	---	---	---	---	---	---	0.0141	0.0012	26
27	---	---	---	---	---	---	---	---	---	---	0.0123*	0.0012	27
28	---	---	---	---	---	---	---	---	---	---	0.474*	0.0012	28
29	---		---	---	---	---	---	---	---	---	0.212	0.0012	29
30	---		---	---	---	---	---	---	---	---	0.118	0.0012	30
31	---		---		---		---	---		---		0.0058	31
TOTAL	---	---	---	---	---	---	---	---	---	---	3.57	0.242	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.119	0.0078	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.252	0.0110	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.16	0.0456	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 3.81

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.4660 B1= 1.2802 A2= 0.0000 B2= 0.0000 R^2= 0.7320 N= 35.

TOTAL DAILY DISCHARGE FOR 1990 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.288	6.73	1.69	3.46	---	---	---	---	---	---	---	---	1
2	0.263	5.34	5.72	4.14	---	---	---	---	---	---	---	---	2
3	0.259	2.47	3.96	4.64	---	---	---	---	---	---	---	---	3
4	2.68	2.01	1.90	3.99	---	---	---	---	---	---	---	---	4
5	9.76	1.57	1.12	2.45	---	---	---	---	---	---	---	---	5
6	3.75	1.43	0.588	1.71	---	---	---	---	---	---	---	---	6
7	2.15	1.61	0.501	1.30	---	---	---	---	---	---	---	---	7
8	1.96	14.5	1.94	0.983	---	---	---	---	---	---	---	---	8
9	1.42	29.5	10.4	0.907	---	---	---	---	---	---	---	---	9
10	1.19	14.6	14.8	2.05	---	---	---	---	---	---	---	---	10
11	0.864	6.94	24.5	4.87	---	---	---	---	---	---	---	---	11
12	0.674	3.95	25.9	2.85	---	---	---	---	---	---	---	---	12
13	0.605	3.98	26.8	1.80	---	---	---	---	---	---	---	---	13
14	0.553	2.73	19.2	1.92	---	---	---	---	---	---	---	---	14
15	0.605	1.43	15.7	2.87	---	---	---	---	---	---	---	---	15
16	0.553	1.10	15.1	2.79	---	---	---	---	---	---	---	---	16
17	16.7	0.968	12.6	2.60	---	---	---	---	---	---	---	---	17
18	37.8	1.23	7.52	1.92	---	---	---	---	---	---	---	---	18
19	12.9	0.994	5.22	1.56	---	---	---	---	---	---	---	---	19
20	6.58	0.691	4.64	1.45	---	---	---	---	---	---	---	---	20
21	3.76	0.810	4.78	2.31	---	---	---	---	---	---	---	---	21
22	2.53	29.5	9.24	2.10	---	---	---	---	---	---	---	---	22
23	1.76	35.9	13.6	1.40	---	---	---	---	---	---	---	---	23
24	7.12	15.2	5.09	1.07	---	---	---	---	---	---	---	---	24
25	12.0	7.04	3.14	0.803	---	---	---	---	---	---	---	---	25
26	7.90	3.99	2.15	0.565	---	---	---	---	---	---	---	---	26
27	8.12	2.57	1.56	0.403	---	---	---	---	---	---	---	---	27
28	9.06	1.57	1.13	0.385	---	---	---	---	---	---	---	---	28
29	4.00		1.05	0.256	---	---	---	---	---	---	---	---	29
30	2.34		2.19	0.202	---	---	---	---	---	---	---	---	30
31	1.68		3.39		---		---	---		---			31
TOTAL	161	200	247	59.7	---	---	---	---	---	---	---	---	TOTAL
MEAN	5.22	7.15	7.97	1.99	---	---	---	---	---	---	---	---	MEAN
ST.D.	7.44	9.64	7.89	1.29	---	---	---	---	---	---	---	---	ST.D.
MAX	37.8	35.9	26.8	4.87	---	---	---	---	---	---	---	---	MAX
MIN	0.259	0.691	0.501	0.202	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 668
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0002	0.172	0.0069	0.0260	---	---	---	---	---	---	---	---	1
2	0.0002	0.0675	0.109	0.0370	---	---	---	---	---	---	---	---	2
3	0.0002	0.0137	0.0379	0.0454	---	---	---	---	---	---	---	---	3
4	0.0160	0.0093	0.0085	0.0343	---	---	---	---	---	---	---	---	4
5	0.187	0.0058	0.0031	0.0137	---	---	---	---	---	---	---	---	5
6	0.0303	0.0048	0.0009	0.0068	---	---	---	---	---	---	---	---	6
7	0.0105	0.0061	0.0007	0.0041	---	---	---	---	---	---	---	---	7
8	0.0088	0.751	0.0137	0.0024	---	---	---	---	---	---	---	---	8
9	0.0048	1.59*	0.315*	0.0020	---	---	---	---	---	---	---	---	9
10	0.0034	0.424	0.463*	0.0135*	---	---	---	---	---	---	---	---	10
11	0.0019	0.101	1.28*	0.0504*	---	---	---	---	---	---	---	---	11
12	0.0012	0.0341*	1.24*	0.0185	---	---	---	---	---	---	---	---	12
13	0.0009	0.0351	1.28	0.0076	---	---	---	---	---	---	---	---	13
14	0.0008	0.0171	0.676	0.0088	---	---	---	---	---	---	---	---	14
15	0.0009*	0.0048	0.462	0.0183	---	---	---	---	---	---	---	---	15
16	0.0008	0.0029	0.433	0.0174	---	---	---	---	---	---	---	---	16
17	0.517*	0.0023	0.307	0.0151	---	---	---	---	---	---	---	---	17
18	2.46*	0.0037	0.115	0.0086	---	---	---	---	---	---	---	---	18
19	0.333	0.0025	0.0577	0.0057	---	---	---	---	---	---	---	---	19
20	0.0905	0.0012	0.0456	0.0050*	---	---	---	---	---	---	---	---	20
21	0.0308	0.0017	0.0491	0.0121*	---	---	---	---	---	---	---	---	21
22	0.0145	2.73*	0.202	0.0102*	---	---	---	---	---	---	---	---	22
23	0.0073	2.35*	0.380	0.0048	---	---	---	---	---	---	---	---	23
24	0.138	0.457	0.0565	0.0028	---	---	---	---	---	---	---	---	24
25	0.385	0.104	0.0221	0.0016	---	---	---	---	---	---	---	---	25
26	0.137	0.0348	0.0107	0.0008	---	---	---	---	---	---	---	---	26
27	0.185	0.0152	0.0057	0.0004	---	---	---	---	---	---	---	---	27
28	0.180	0.0058	0.0031	0.0004	---	---	---	---	---	---	---	---	28
29	0.0352		0.0027	0.0002	---	---	---	---	---	---	---	---	29
30	0.0125		0.0120	0.0001	---	---	---	---	---	---	---	---	30
31	0.0067		0.0251		---		---	---		---		---	31
TOTAL	4.80	8.95	7.62	0.374	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.155	0.320	0.246	0.0125	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.446	0.712	0.384	0.0136	---	---	---	---	---	---	---	---	ST.D.
MAX	2.46	2.73	1.28	0.0504	---	---	---	---	---	---	---	---	MAX
MIN	0.0002	0.0012	0.0007	0.0001	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 21.7

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 136.5691 B1= 1.9010 A2= 0.0000 B2= 0.0000 R^2= 0.8362 N= 38.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0027	1.70	0.0742	0.272	---	---	---	---	---	---	---	---	1
2	0.0023	0.689	1.09	0.384	---	---	---	---	---	---	---	---	2
3	0.0022	0.146	0.391	0.470	---	---	---	---	---	---	---	---	3
4	0.169	0.0995	0.0908	0.357	---	---	---	---	---	---	---	---	4
5	1.88	0.0627	0.0339	0.145	---	---	---	---	---	---	---	---	5
6	0.316	0.0523	0.0100	0.0733	---	---	---	---	---	---	---	---	6
7	0.112	0.0661	0.0075	0.0446	---	---	---	---	---	---	---	---	7
8	0.0947	7.19	0.143	0.0264	---	---	---	---	---	---	---	---	8
9	0.0517	15.2*	3.09*	0.0226	---	---	---	---	---	---	---	---	9
10	0.0375	4.18	4.55*	0.141*	---	---	---	---	---	---	---	---	10
11	0.0206	1.02	12.2*	0.520*	---	---	---	---	---	---	---	---	11
12	0.0130	0.354*	12.0*	0.194	---	---	---	---	---	---	---	---	12
13	0.0106	0.365	12.3	0.0813	---	---	---	---	---	---	---	---	13
14	0.0090	0.180	6.62	0.0939	---	---	---	---	---	---	---	---	14
15	0.0106*	0.0523	4.55	0.193	---	---	---	---	---	---	---	---	15
16	0.0090	0.0321	4.27	0.183	---	---	---	---	---	---	---	---	16
17	5.09*	0.0254	3.05	0.160	---	---	---	---	---	---	---	---	17
18	23.4*	0.0399	1.17	0.0917	---	---	---	---	---	---	---	---	18
19	3.30	0.0273	0.594	0.0616	---	---	---	---	---	---	---	---	19
20	0.923	0.0137	0.472	0.0546*	---	---	---	---	---	---	---	---	20
21	0.321	0.0189	0.507	0.129*	---	---	---	---	---	---	---	---	21
22	0.154	25.6*	2.01	0.108*	---	---	---	---	---	---	---	---	22
23	0.0784	22.4*	3.75	0.0515	---	---	---	---	---	---	---	---	23
24	1.38	4.50	0.581	0.0306	---	---	---	---	---	---	---	---	24
25	3.76	1.06	0.232	0.0181	---	---	---	---	---	---	---	---	25
26	1.38	0.362	0.114	0.0094	---	---	---	---	---	---	---	---	26
27	1.83	0.160	0.0620	0.0050	---	---	---	---	---	---	---	---	27
28	1.80	0.0624	0.0340	0.0046	---	---	---	---	---	---	---	---	28
29	0.366		0.0299	0.0022	---	---	---	---	---	---	---	---	29
30	0.133		0.127	0.0014	---	---	---	---	---	---	---	---	30
31	0.0717		0.262		---		---	---		---		---	31
TOTAL	46.7	85.6	74.5	3.93	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.51	3.06	2.40	0.131	---	---	---	---	---	---	---	---	MEAN
ST.D.	4.26	6.72	3.70	0.141	---	---	---	---	---	---	---	---	ST.D.
MAX	23.4	25.6	12.3	0.520	---	---	---	---	---	---	---	---	MAX
MIN	0.0022	0.0137	0.0075	0.0014	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 210

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.2597 B1= 1.8617 A2= 0.0000 B2= 0.0000 R^2= 0.8865 N= 38.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0012	0.619	0.0305	0.108	---	---	---	---	---	---	---	---	1
2	0.0010	0.263	0.403	0.150	---	---	---	---	---	---	---	---	2
3	0.0010	0.0587	0.152	0.183	---	---	---	---	---	---	---	---	3
4	0.0679	0.0406	0.0371	0.140	---	---	---	---	---	---	---	---	4
5	0.701	0.0260	0.0143	0.0586	---	---	---	---	---	---	---	---	5
6	0.125	0.0218	0.0044	0.0302	---	---	---	---	---	---	---	---	6
7	0.0457	0.0273	0.0033	0.0186	---	---	---	---	---	---	---	---	7
8	0.0387	2.51	0.0563	0.0112	---	---	---	---	---	---	---	---	8
9	0.0215	5.31*	1.11*	0.0096	---	---	---	---	---	---	---	---	9
10	0.0158	1.52	1.64*	0.0559*	---	---	---	---	---	---	---	---	10
11	0.0088	0.388	4.27*	0.202*	---	---	---	---	---	---	---	---	11
12	0.0056	0.139*	4.20*	0.0776	---	---	---	---	---	---	---	---	12
13	0.0046	0.143	4.35	0.0333	---	---	---	---	---	---	---	---	13
14	0.0039	0.0719	2.37	0.0383	---	---	---	---	---	---	---	---	14
15	0.0046*	0.0218	1.65	0.0770	---	---	---	---	---	---	---	---	15
16	0.0039	0.0136	1.55	0.0733	---	---	---	---	---	---	---	---	16
17	1.84*	0.0108	1.12	0.0644	---	---	---	---	---	---	---	---	17
18	8.08*	0.0167	0.442	0.0375	---	---	---	---	---	---	---	---	18
19	1.21	0.0116	0.229	0.0255	---	---	---	---	---	---	---	---	19
20	0.351	0.0059	0.184	0.0227*	---	---	---	---	---	---	---	---	20
21	0.126	0.0081	0.197	0.0521*	---	---	---	---	---	---	---	---	21
22	0.0619	8.61*	0.741	0.0441*	---	---	---	---	---	---	---	---	22
23	0.0322	7.71*	1.36	0.0214	---	---	---	---	---	---	---	---	23
24	0.512	1.63	0.224	0.0129	---	---	---	---	---	---	---	---	24
25	1.35	0.400	0.0922	0.0078	---	---	---	---	---	---	---	---	25
26	0.515	0.142	0.0463	0.0041	---	---	---	---	---	---	---	---	26
27	0.672	0.0644	0.0256	0.0022	---	---	---	---	---	---	---	---	27
28	0.669	0.0258	0.0143	0.0021	---	---	---	---	---	---	---	---	28
29	0.143		0.0127	0.0010	---	---	---	---	---	---	---	---	29
30	0.0536		0.0513	0.0007	---	---	---	---	---	---	---	---	30
31	0.0295		0.104		---		---	---		---		---	31
TOTAL	16.7	29.8	26.7	1.56	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.539	1.06	0.861	0.0522	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.47	2.29	1.30	0.0546	---	---	---	---	---	---	---	---	ST.D.
MAX	8.08	8.61	4.35	0.202	---	---	---	---	---	---	---	---	MAX
MIN	0.0010	0.0059	0.0033	0.0007	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 74.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.4149 B1= 1.8047 A2= 0.0000 B2= 0.0000 R^2= 0.8080 N= 38.

TOTAL DAILY DISCHARGE FOR 1990 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.173	0.173	0.0360	0.331	0.248	5.31	---	---	1
2	---	---	---	---	0.0900	0.173	0	0.140	0.194	2.97	---	---	2
3	---	---	---	---	0.0864	0.389	0	0.0972	0.112	2.30	---	---	3
4	---	---	---	---	0.126	0.227	0	0.0864	0.0864	8.75	---	---	4
5	---	---	---	---	0.234	0.173	0	0.0864	0.122	5.73	---	---	5
6	---	---	---	---	0.144	0.173	0	0.0576	0.119	3.06	---	---	6
7	---	---	---	---	0.126	0.112	0	0.0252	0.151	2.00	---	---	7
8	---	---	---	---	0.0864	0.140	2.10	0.0144	0.0864	2.96	---	---	8
9	---	---	---	---	0.0864	0.0864	14.5	0	0.0864	19.6	---	---	9
10	---	---	---	---	0.108	0.0864	2.02	0	0.0864	19.2	---	---	10
11	---	---	---	---	0.0720	0.0864	0.868	0	0.0864	17.4	---	---	11
12	---	---	---	---	0.0864	0.0864	0.464	0.0792	0.0864	11.7	---	---	12
13	---	---	---	---	0.504	0.0864	0.209	0.572	0.0828	11.9	---	---	13
14	---	---	---	---	0.360	0.0864	0.346	0.209	0.947	6.40	---	---	14
15	---	---	---	---	0.274	0.0720	0.396	0.0972	3.36	3.99	---	---	15
16	---	---	---	---	2.17	0.0396	0.223	0.0864	1.57	2.49	---	---	16
17	---	---	---	---	13.3	0.0612	0.169	0.0864	0.986	5.30	---	---	17
18	---	---	---	---	12.7	0.0576	0.140	0.0864	0.698	17.7	---	---	18
19	---	---	---	---	6.66	0.0180	0.112	5.40	0.727	10.7	---	---	19
20	---	---	---	---	9.42	0	0.281	2.28	0.493	5.39	---	---	20
21	---	---	---	---	9.69	0.0216	0.223	1.20	0.446	3.50	---	---	21
22	---	---	---	---	5.27	0.0432	0.245	0.842	0.515	2.60	---	---	22
23	---	---	---	---	3.26	0.194	0.400	0.475	0.432	2.14	---	---	23
24	---	---	---	---	1.97	0.151	0.241	0.292	0.432	1.59	---	---	24
25	---	---	---	---	1.43	0.0864	0.133	0.198	0.432	1.30	---	---	25
26	---	---	---	---	1.20	0.0864	0.0864	0.140	0.385	1.14	---	---	26
27	---	---	---	---	0.792	0.0864	0.0864	0.0972	0.259	1.07	---	---	27
28	---	---	---	---	0.583	0.0720	0.0864	1.30	4.49	1.13	---	---	28
29	---		---	---	0.410	0.0864	0.0756	1.57	7.43	0.806	---	---	29
30	---		---	---	0.281	0.0792	1.45	0.763	8.55	0.911	---	---	30
31	---		---		0.209		1.04	0.400		0.724		---	31
TOTAL	---	---	---	---	71.9	3.23	26.0	17.0	33.7	181	---	---	TOTAL
MEAN	---	---	---	---	2.32	0.108	0.837	0.549	1.12	5.86	---	---	MEAN
ST.D.	---	---	---	---	3.88	0.0764	2.60	1.05	2.11	5.84	---	---	ST.D.
MAX	---	---	---	---	13.3	0.389	14.5	5.40	8.55	19.6	---	---	MAX
MIN	---	---	---	---	0.0720	0	0	0	0.0828	0.724	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 333
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0010	0.0010	0.0002	0.0024	0.0016	0.0971	---	---	1
2	---	---	---	---	0.0004	0.0010	0	0.0008	0.0012	0.0446	---	---	2
3	---	---	---	---	0.0004	0.0030	0	0.0005	0.0006	0.0315*	---	---	3
4	---	---	---	---	0.0007*	0.0014	0	0.0004	0.0004	0.200*	---	---	4
5	---	---	---	---	0.0015*	0.0010	0	0.0004	0.0006*	0.108*	---	---	5
6	---	---	---	---	0.0008	0.0010	0	0.0003	0.0006	0.0464	---	---	6
7	---	---	---	---	0.0007	0.0006	0	0.0001	0.0008	0.0262	---	---	7
8	---	---	---	---	0.0004	0.0008	0.0709	0.0001	0.0004	0.0445	---	---	8
9	---	---	---	---	0.0004	0.0004	0.412*	0	0.0004	0.580*	---	---	9
10	---	---	---	---	0.0005	0.0004	0.0272*	0	0.0004	0.539*	---	---	10
11	---	---	---	---	0.0003	0.0004	0.0086*	0	0.0004	0.474*	---	---	11
12	---	---	---	---	0.0004	0.0004	0.0038	0.0005*	0.0004	0.282*	---	---	12
13	---	---	---	---	0.0044*	0.0004	0.0013	0.0052*	0.0004	0.286	---	---	13
14	---	---	---	---	0.0027*	0.0004	0.0026	0.0013	0.0143*	0.124	---	---	14
15	---	---	---	---	0.0018	0.0003	0.0030	0.0005	0.0539*	0.0662	---	---	15
16	---	---	---	---	0.0324*	0.0002	0.0014	0.0004	0.0190	0.0351	---	---	16
17	---	---	---	---	0.353*	0.0003	0.0010	0.0004	0.0102	0.0977	---	---	17
18	---	---	---	---	0.310*	0.0003	0.0008	0.0004	0.0064	0.507*	---	---	18
19	---	---	---	---	0.131*	0.0001*	0.0006	0.118	0.0068	0.249*	---	---	19
20	---	---	---	---	0.212*	0	0.0019	0.0317	0.0040	0.0988	---	---	20
21	---	---	---	---	0.218*	0.0001*	0.0014	0.0132	0.0036	0.0553	---	---	21
22	---	---	---	---	0.0959	0.0002*	0.0017	0.0083	0.0043	0.0372	---	---	22
23	---	---	---	---	0.0506	0.0012*	0.0031	0.0039	0.0034	0.0287	---	---	23
24	---	---	---	---	0.0258	0.0008*	0.0016	0.0020	0.0034	0.0194	---	---	24
25	---	---	---	---	0.0168	0.0004	0.0007	0.0012	0.0034	0.0147	---	---	25
26	---	---	---	---	0.0132	0.0004	0.0004	0.0008	0.0029	0.0124	---	---	26
27	---	---	---	---	0.0076	0.0004	0.0004	0.0005	0.0017	0.0113	---	---	27
28	---	---	---	---	0.0050*	0.0003	0.0004	0.0158	0.124	0.0122	---	---	28
29	---		---	---	0.0032	0.0004	0.0003	0.0192	0.156	0.0078	---	---	29
30	---		---	---	0.0019*	0.0004	0.0222*	0.0073	0.184	0.0092	---	---	30
31	---		---		0.0013		0.0114*	0.0031		0.0067		---	31
TOTAL	---	---	---	---	1.49	0.0179	0.579	0.238	0.610	4.15	---	---	TOTAL
MEAN	---	---	---	---	0.0482	0.0006	0.0187	0.0077	0.0203	0.134	---	---	MEAN
ST.D.	---	---	---	---	0.0954	0.0006	0.0743	0.0216	0.0474	0.172	---	---	ST.D.
MAX	---	---	---	---	0.353	0.0030	0.412	0.118	0.184	0.580	---	---	MAX
MIN	---	---	---	---	0.0003	0	0	0	0.0004	0.0067	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 7.09

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 46.3879 B1= 1.3361 A2= 0.0000 B2= 0.0000 R^2= 0.8703 N= 78.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0167	0.0167	0.0032	0.0343	0.0249	0.734	---	---	1
2	---	---	---	---	0.0081	0.0167	0	0.0133	0.0190	0.386	---	---	2
3	---	---	---	---	0.0077	0.0411	0	0.0089	0.0103	0.290*	---	---	3
4	---	---	---	---	0.0118*	0.0226	0	0.0077	0.0077	1.29*	---	---	4
5	---	---	---	---	0.0234*	0.0167	0	0.0077	0.0115*	0.800*	---	---	5
6	---	---	---	---	0.0137	0.0167	0	0.0052	0.0111	0.399	---	---	6
7	---	---	---	---	0.0118	0.0103	0	0.0023	0.0144	0.249	---	---	7
8	---	---	---	---	0.0077	0.0133	0.350	0.0013	0.0077	0.385	---	---	8
9	---	---	---	---	0.0077	0.0077	2.29*	0	0.0077	3.14*	---	---	9
10	---	---	---	---	0.0100	0.0077	0.253*	0	0.0077	3.03*	---	---	10
11	---	---	---	---	0.0065	0.0077	0.0991*	0	0.0077	2.72*	---	---	11
12	---	---	---	---	0.0077	0.0077	0.0498	0.0079*	0.0077	1.76*	---	---	12
13	---	---	---	---	0.0553*	0.0077	0.0206	0.0634*	0.0074	1.79	---	---	13
14	---	---	---	---	0.0375*	0.0077	0.0363	0.0206	0.122*	0.901	---	---	14
15	---	---	---	---	0.0277	0.0065	0.0417	0.0089	0.445*	0.534	---	---	15
16	---	---	---	---	0.281*	0.0035	0.0222	0.0077	0.190	0.318	---	---	16
17	---	---	---	---	2.06*	0.0055	0.0163	0.0077	0.114	0.734	---	---	17
18	---	---	---	---	1.92*	0.0052	0.0133	0.0077	0.0779	2.81*	---	---	18
19	---	---	---	---	0.942*	0.0018	0.0103	0.786	0.0815	1.59*	---	---	19
20	---	---	---	---	1.39*	0	0.0286	0.289	0.0531	0.745	---	---	20
21	---	---	---	---	1.43*	0.0019	0.0221	0.142	0.0476	0.462	---	---	21
22	---	---	---	---	0.728	0.0040*	0.0248	0.0959	0.0557	0.333	---	---	22
23	---	---	---	---	0.428	0.0192*	0.0421	0.0510	0.0458	0.269	---	---	23
24	---	---	---	---	0.246	0.0144*	0.0241	0.0297	0.0458	0.194	---	---	24
25	---	---	---	---	0.172	0.0077	0.0126	0.0194	0.0458	0.155	---	---	25
26	---	---	---	---	0.141	0.0077	0.0077	0.0133	0.0404	0.134	---	---	26
27	---	---	---	---	0.0896	0.0077	0.0077	0.0089	0.0261	0.125	---	---	27
28	---	---	---	---	0.0639*	0.0065	0.0077	0.158	0.701	0.132	---	---	28
29	---	---	---	---	0.0434	0.0077	0.0068	0.191	1.07	0.0913	---	---	29
30	---		---	---	0.0285*	0.0071	0.188*	0.0861	1.24	0.104	---	---	30
31	---		---		0.0206		0.123*	0.0421		0.0810		---	31
TOTAL	---	---	---	---	10.2	0.307	3.70	2.12	4.55	26.7	---	---	TOTAL
MEAN	---	---	---	---	0.330	0.0102	0.119	0.0683	0.152	0.861	---	---	MEAN
ST.D.	---	---	---	---	0.587	0.0080	0.411	0.149	0.310	0.939	---	---	ST.D.
MAX	---	---	---	---	2.06	0.0411	2.29	0.786	1.24	3.14	---	---	MAX
MIN	---	---	---	---	0.0065	0	0	0	0.0074	0.0810	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 47.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1847 B1= 1.1047 A2= 0.0000 B2= 0.0000 R^2= 0.8312 N= 76.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0066	0.0066	0.0014	0.0125	0.0094	0.191	---	---	1
2	---	---	---	---	0.0035	0.0066	0	0.0054	0.0074	0.108	---	---	2
3	---	---	---	---	0.0033	0.0146	0	0.0037	0.0043	0.0839*	---	---	3
4	---	---	---	---	0.0048*	0.0086	0	0.0033	0.0033	0.311*	---	---	4
5	---	---	---	---	0.0089*	0.0066	0	0.0033	0.0047*	0.206*	---	---	5
6	---	---	---	---	0.0055	0.0066	0	0.0022	0.0046	0.111	---	---	6
7	---	---	---	---	0.0048	0.0043	0	0.0010	0.0058	0.0731	---	---	7
8	---	---	---	---	0.0033	0.0054	0.0734	0.0006	0.0033	0.108	---	---	8
9	---	---	---	---	0.0033	0.0033	0.512*	0	0.0033	0.686*	---	---	9
10	---	---	---	---	0.0042	0.0033	0.0738*	0	0.0033	0.676*	---	---	10
11	---	---	---	---	0.0028	0.0033	0.0322*	0	0.0033	0.612*	---	---	11
12	---	---	---	---	0.0033	0.0033	0.0174	0.0031*	0.0033	0.415*	---	---	12
13	---	---	---	---	0.0188*	0.0033	0.0079	0.0214*	0.0032	0.421	---	---	13
14	---	---	---	---	0.0136*	0.0033	0.0130	0.0079	0.0345*	0.230	---	---	14
15	---	---	---	---	0.0104	0.0028	0.0149	0.0037	0.122*	0.144	---	---	15
16	---	---	---	---	0.0790*	0.0015	0.0085	0.0033	0.0576	0.0908	---	---	16
17	---	---	---	---	0.470*	0.0024	0.0065	0.0033	0.0365	0.191	---	---	17
18	---	---	---	---	0.450*	0.0022	0.0054	0.0033	0.0260	0.623*	---	---	18
19	---	---	---	---	0.239*	0.0008*	0.0043	0.193	0.0271	0.380*	---	---	19
20	---	---	---	---	0.335*	0	0.0106	0.0832	0.0185	0.194	---	---	20
21	---	---	---	---	0.345*	0.0008*	0.0085	0.0443	0.0168	0.127	---	---	21
22	---	---	---	---	0.190	0.0017*	0.0093	0.0313	0.0193	0.0947	---	---	22
23	---	---	---	---	0.118	0.0074*	0.0150	0.0178	0.0162	0.0783	---	---	23
24	---	---	---	---	0.0722	0.0058*	0.0092	0.0110	0.0162	0.0586	---	---	24
25	---	---	---	---	0.0528	0.0033	0.0051	0.0075	0.0162	0.0479	---	---	25
26	---	---	---	---	0.0441	0.0033	0.0033	0.0054	0.0145	0.0422	---	---	26
27	---	---	---	---	0.0295	0.0033	0.0033	0.0037	0.0098	0.0396	---	---	27
28	---	---	---	---	0.0218*	0.0028	0.0033	0.0479	0.158	0.0417	---	---	28
29	---		---	---	0.0154	0.0033	0.0029	0.0577	0.266	0.0300	---	---	29
30	---		---	---	0.0106*	0.0031	0.0526*	0.0284	0.305	0.0338	---	---	30
31	---		---		0.0079		0.0386*	0.0150		0.0270		---	31
TOTAL	---	---	---	---	2.58	0.124	0.932	0.624	1.22	6.48	---	---	TOTAL
MEAN	---	---	---	---	0.0832	0.0041	0.0301	0.0201	0.0407	0.209	---	---	MEAN
ST.D.	---	---	---	---	0.137	0.0029	0.0916	0.0376	0.0751	0.205	---	---	ST.D.
MAX	---	---	---	---	0.470	0.0146	0.512	0.193	0.305	0.686	---	---	MAX
MIN	---	---	---	---	0.0028	0	0	0	0.0032	0.0270	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 12.0

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0343 B1= 0.9827 A2= 0.0000 B2= 0.0000 R^2= 0.5842 N= 78.

TOTAL DAILY DISCHARGE FOR 1990 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.727	3.69	1
2	---	---	---	---	---	---	---	---	---	---	0.716	2.48	2
3	---	---	---	---	---	---	---	---	---	---	0.608	3.38	3
4	---	---	---	---	---	---	---	---	---	---	0.644	9.22	4
5	---	---	---	---	---	---	---	---	---	---	26.6	6.02	5
6	---	---	---	---	---	---	---	---	---	---	38.7	4.70	6
7	---	---	---	---	---	---	---	---	---	---	17.0	3.64	7
8	---	---	---	---	---	---	---	---	---	---	10.8	3.27	8
9	---	---	---	---	---	---	---	---	---	---	8.00	3.99	9
10	---	---	---	---	---	---	---	---	---	---	6.68	7.19	10
11	---	---	---	---	---	---	---	---	---	---	5.34	6.53	11
12	---	---	---	---	---	---	---	---	---	---	4.01	5.30	12
13	---	---	---	---	---	---	---	---	---	---	3.46	9.32	13
14	---	---	---	---	---	---	---	---	---	---	3.51	5.07	14
15	---	---	---	---	---	---	---	---	---	---	3.79	4.05	15
16	---	---	---	---	---	---	---	---	---	---	3.72	2.76	16
17	---	---	---	---	---	---	---	---	---	---	2.63	2.53	17
18	---	---	---	---	---	---	---	---	---	---	2.16	6.85	18
19	---	---	---	---	---	---	---	---	---	---	1.94	8.01	19
20	---	---	---	---	---	---	---	---	---	---	1.44	5.49	20
21	---	---	---	---	---	---	---	---	---	---	1.44	4.93	21
22	---	---	---	---	---	---	---	---	---	---	8.45	11.1	22
23	---	---	---	---	---	---	---	---	---	---	8.74	15.0	23
24	---	---	---	---	---	---	---	---	---	---	6.81	9.46	24
25	---	---	---	---	---	---	---	---	---	---	5.16	5.91	25
26	---	---	---	---	---	---	---	---	---	---	3.69	3.63	26
27	---	---	---	---	---	---	---	---	---	---	6.76	2.67	27
28	---	---	---	---	---	---	---	---	---	---	12.5	2.41	28
29	---		---	---	---	---	---	---	---	---	8.50	32.9	29
30	---		---	---	---	---	---	---	---	---	5.17	45.8	30
31	---		---		---		---	---		---		19.1	31
TOTAL	---	---	---	---	---	---	---	---	---	---	209	256	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	6.99	8.27	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	8.12	9.25	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	38.7	45.8	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.608	2.41	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 466
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test

Area: 359. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0122	0.114	1
2	---	---	---	---	---	---	---	---	---	---	0.0119	0.0658	2
3	---	---	---	---	---	---	---	---	---	---	0.0095	0.107	3
4	---	---	---	---	---	---	---	---	---	---	0.0103	0.401	4
5	---	---	---	---	---	---	---	---	---	---	2.23*	0.223	5
6	---	---	---	---	---	---	---	---	---	---	2.96*	0.159	6
7	---	---	---	---	---	---	---	---	---	---	0.936	0.111	7
8	---	---	---	---	---	---	---	---	---	---	0.500	0.0962	8
9	---	---	---	---	---	---	---	---	---	---	0.330	0.130	9
10	---	---	---	---	---	---	---	---	---	---	0.257	0.284	10
11	---	---	---	---	---	---	---	---	---	---	0.189	0.249	11
12	---	---	---	---	---	---	---	---	---	---	0.127	0.188	12
13	---	---	---	---	---	---	---	---	---	---	0.104	0.410	13
14	---	---	---	---	---	---	---	---	---	---	0.106	0.176	14
15	---	---	---	---	---	---	---	---	---	---	0.118	0.129	15
16	---	---	---	---	---	---	---	---	---	---	0.115	0.0767	16
17	---	---	---	---	---	---	---	---	---	---	0.0714	0.0679	17
18	---	---	---	---	---	---	---	---	---	---	0.0544	0.271	18
19	---	---	---	---	---	---	---	---	---	---	0.0471	0.331	19
20	---	---	---	---	---	---	---	---	---	---	0.0311	0.197	20
21	---	---	---	---	---	---	---	---	---	---	0.0311	0.171	21
22	---	---	---	---	---	---	---	---	---	---	0.383	0.521	22
23	---	---	---	---	---	---	---	---	---	---	0.372	0.779	23
24	---	---	---	---	---	---	---	---	---	---	0.264	0.417	24
25	---	---	---	---	---	---	---	---	---	---	0.181	0.217	25
26	---	---	---	---	---	---	---	---	---	---	0.114	0.111	26
27	---	---	---	---	---	---	---	---	---	---	0.266*	0.0730	27
28	---	---	---	---	---	---	---	---	---	---	0.616*	0.0633	28
29	---		---	---	---	---	---	---	---	---	0.361	2.30	29
30	---		---	---	---	---	---	---	---	---	0.181	3.67	30
31	---		---		---		---	---		---		1.11	31
TOTAL	---	---	---	---	---	---	---	---	---	---	11.0	13.2	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.366	0.426	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.646	0.740	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	2.96	3.67	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0095	0.0633	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 24.2

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 100.3175 B1= 1.3748 A2= 0.0000 B2= 0.0000 R^2= 0.8880 N= 12.

Watershed: Pittock Test

Area: 359. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0470	0.445	1
2	---	---	---	---	---	---	---	---	---	---	0.0460	0.256	2
3	---	---	---	---	---	---	---	---	---	---	0.0367	0.419	3
4	---	---	---	---	---	---	---	---	---	---	0.0398	1.58	4
5	---	---	---	---	---	---	---	---	---	---	8.89*	0.873	5
6	---	---	---	---	---	---	---	---	---	---	11.8*	0.621	6
7	---	---	---	---	---	---	---	---	---	---	3.69	0.434	7
8	---	---	---	---	---	---	---	---	---	---	1.97	0.375	8
9	---	---	---	---	---	---	---	---	---	---	1.29	0.506	9
10	---	---	---	---	---	---	---	---	---	---	1.01	1.11	10
11	---	---	---	---	---	---	---	---	---	---	0.739	0.978	11
12	---	---	---	---	---	---	---	---	---	---	0.498	0.738	12
13	---	---	---	---	---	---	---	---	---	---	0.406	1.61	13
14	---	---	---	---	---	---	---	---	---	---	0.414	0.689	14
15	---	---	---	---	---	---	---	---	---	---	0.460	0.505	15
16	---	---	---	---	---	---	---	---	---	---	0.448	0.299	16
17	---	---	---	---	---	---	---	---	---	---	0.278	0.264	17
18	---	---	---	---	---	---	---	---	---	---	0.211	1.06	18
19	---	---	---	---	---	---	---	---	---	---	0.183	1.30	19
20	---	---	---	---	---	---	---	---	---	---	0.120	0.769	20
21	---	---	---	---	---	---	---	---	---	---	0.121	0.669	21
22	---	---	---	---	---	---	---	---	---	---	1.51	2.05	22
23	---	---	---	---	---	---	---	---	---	---	1.46	3.07	23
24	---	---	---	---	---	---	---	---	---	---	1.04	1.64	24
25	---	---	---	---	---	---	---	---	---	---	0.709	0.851	25
26	---	---	---	---	---	---	---	---	---	---	0.444	0.435	26
27	---	---	---	---	---	---	---	---	---	---	1.04*	0.284	27
28	---	---	---	---	---	---	---	---	---	---	2.43*	0.246	28
29	---		---	---	---	---	---	---	---	---	1.42	9.13	29
30	---		---	---	---	---	---	---	---	---	0.707	14.6	30
31	---		---		---		---	---		---		4.37	31
TOTAL	---	---	---	---	---	---	---	---	---	---	43.4	52.2	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	1.45	1.68	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	2.57	2.94	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	11.8	14.6	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0367	0.246	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 95.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.4010 B1= 1.3823 A2= 0.0000 B2= 0.0000 R^2= 0.8786 N= 12.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0041	0.0529	1
2	---	---	---	---	---	---	---	---	---	---	0.0040	0.0282	2
3	---	---	---	---	---	---	---	---	---	---	0.0031	0.0514	3
4	---	---	---	---	---	---	---	---	---	---	0.0034	0.223	4
5	---	---	---	---	---	---	---	---	---	---	1.77*	0.114	5
6	---	---	---	---	---	---	---	---	---	---	2.22*	0.0772	6
7	---	---	---	---	---	---	---	---	---	---	0.588	0.0513	7
8	---	---	---	---	---	---	---	---	---	---	0.287	0.0435	8
9	---	---	---	---	---	---	---	---	---	---	0.178	0.0620	9
10	---	---	---	---	---	---	---	---	---	---	0.134	0.150	10
11	---	---	---	---	---	---	---	---	---	---	0.0940	0.129	11
12	---	---	---	---	---	---	---	---	---	---	0.0600	0.0942	12
13	---	---	---	---	---	---	---	---	---	---	0.0476	0.230	13
14	---	---	---	---	---	---	---	---	---	---	0.0486	0.0869	14
15	---	---	---	---	---	---	---	---	---	---	0.0549	0.0609	15
16	---	---	---	---	---	---	---	---	---	---	0.0532	0.0336	16
17	---	---	---	---	---	---	---	---	---	---	0.0309	0.0292	17
18	---	---	---	---	---	---	---	---	---	---	0.0226	0.144	18
19	---	---	---	---	---	---	---	---	---	---	0.0192	0.179	19
20	---	---	---	---	---	---	---	---	---	---	0.0119	0.0985	20
21	---	---	---	---	---	---	---	---	---	---	0.0120	0.0844	21
22	---	---	---	---	---	---	---	---	---	---	0.220	0.302	22
23	---	---	---	---	---	---	---	---	---	---	0.204	0.476	23
24	---	---	---	---	---	---	---	---	---	---	0.138	0.234	24
25	---	---	---	---	---	---	---	---	---	---	0.0899	0.110	25
26	---	---	---	---	---	---	---	---	---	---	0.0526	0.0515	26
27	---	---	---	---	---	---	---	---	---	---	0.140*	0.0317	27
28	---	---	---	---	---	---	---	---	---	---	0.366*	0.0270	28
29	---		---	---	---	---	---	---	---	---	0.198	1.64	29
30	---		---	---	---	---	---	---	---	---	0.0895	2.82	30
31	---		---		---		---	---		---		0.716	31
TOTAL	---	---	---	---	---	---	---	---	---	---	7.15	8.43	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.238	0.272	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.498	0.563	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	2.22	2.82	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0031	0.0270	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 15.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0866 B1= 1.5726 A2= 0.0000 B2= 0.0000 R^2= 0.7612 N= 12.

TOTAL DAILY DISCHARGE FOR 1991 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.08	0.180	2.36	3.79	---	---	---	---	---	---	---	---	1
2	3.63	0.234	20.4	3.21	---	---	---	---	---	---	---	---	2
3	2.48	0.626	18.3	2.66	---	---	---	---	---	---	---	---	3
4	1.78	7.05	7.69	2.48	---	---	---	---	---	---	---	---	4
5	1.50	13.1	7.19	2.47	---	---	---	---	---	---	---	---	5
6	1.13	7.43	20.8	2.47	---	---	---	---	---	---	---	---	6
7	0.829	6.44	17.9	2.37	---	---	---	---	---	---	---	---	7
8	0.648	7.37	6.88	4.33	---	---	---	---	---	---	---	---	8
9	0.484	6.11	4.63	15.4	---	---	---	---	---	---	---	---	9
10	0.450	4.25	3.57	18.4	---	---	---	---	---	---	---	---	10
11	0.724	2.97	2.97	6.26	---	---	---	---	---	---	---	---	11
12	0.720	2.20	2.58	3.89	---	---	---	---	---	---	---	---	12
13	0.396	1.38	2.31	2.95	---	---	---	---	---	---	---	---	13
14	0.418	1.21	2.16	2.54	---	---	---	---	---	---	---	---	14
15	0.364	0.734	2.35	13.9	---	---	---	---	---	---	---	---	15
16	1.37	0.484	2.62	12.8	---	---	---	---	---	---	---	---	16
17	2.04	0.380	2.73	5.24	---	---	---	---	---	---	---	---	17
18	1.60	0.311	13.1	3.75	---	---	---	---	---	---	---	---	18
19	1.47	14.7	11.6	2.83	---	---	---	---	---	---	---	---	19
20	1.38	13.4	7.26	6.15	---	---	---	---	---	---	---	---	20
21	1.21	10.6	7.37	13.4	---	---	---	---	---	---	---	---	21
22	0.864	12.4	5.71	9.42	---	---	---	---	---	---	---	---	22
23	0.950	5.34	7.72	4.95	---	---	---	---	---	---	---	---	23
24	0.467	3.63	12.6	3.35	---	---	---	---	---	---	---	---	24
25	0.380	2.61	7.86	2.53	---	---	---	---	---	---	---	---	25
26	0.363	2.26	5.36	2.18	---	---	---	---	---	---	---	---	26
27	0.346	1.84	79.6	1.92	---	---	---	---	---	---	---	---	27
28	0.242	1.44	44.0	1.58	---	---	---	---	---	---	---	---	28
29	0.207		15.1	1.30	---	---	---	---	---	---	---	---	29
30	0.199		7.02	1.16	---	---	---	---	---	---	---	---	30
31	0.190		4.79		---		---	---		---			31
TOTAL	35.9	130	356	159	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.16	4.67	11.5	5.32	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.34	4.54	15.3	4.69	---	---	---	---	---	---	---	---	ST.D.
MAX	7.08	14.7	79.6	18.4	---	---	---	---	---	---	---	---	MAX
MIN	0.190	0.180	2.16	1.16	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 682
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.467	0.0007	0.0782*	0.149	---	---	---	---	---	---	---	---	1
2	0.140	0.0011	3.35*	0.111	---	---	---	---	---	---	---	---	2
3	0.0704	0.0081	2.67*	0.0792	---	---	---	---	---	---	---	---	3
4	0.0387	0.722	0.552	0.0698	---	---	---	---	---	---	---	---	4
5	0.0284	1.37	0.530	0.0694	---	---	---	---	---	---	---	---	5
6	0.0172	0.503	3.81	0.0694	---	---	---	---	---	---	---	---	6
7	0.0099	0.389	2.64	0.0643	---	---	---	---	---	---	---	---	7
8	0.0064	0.547	0.438	0.189*	---	---	---	---	---	---	---	---	8
9	0.0038	0.354	0.215	1.81*	---	---	---	---	---	---	---	---	9
10	0.0033	0.185	0.134	2.50*	---	---	---	---	---	---	---	---	10
11	0.0079	0.0976	0.0965	0.365	---	---	---	---	---	---	---	---	11
12	0.0079	0.0563	0.0751	0.156	---	---	---	---	---	---	---	---	12
13	0.0027	0.0246	0.0616	0.0955	---	---	---	---	---	---	---	---	13
14	0.0029	0.0194	0.0558	0.0729	---	---	---	---	---	---	---	---	14
15	0.0023	0.0080	0.0647	1.52	---	---	---	---	---	---	---	---	15
16	0.0289	0.0038	0.0780	1.30	---	---	---	---	---	---	---	---	16
17	0.0498	0.0025	0.0836	0.265	---	---	---	---	---	---	---	---	17
18	0.0322	0.0017*	1.57	0.146	---	---	---	---	---	---	---	---	18
19	0.0273	1.67	1.12	0.0882	---	---	---	---	---	---	---	---	19
20	0.0246	1.54	0.481	0.353	---	---	---	---	---	---	---	---	20
21	0.0194*	1.07	0.489	1.42	---	---	---	---	---	---	---	---	21
22	0.0106	1.28*	0.315	0.756	---	---	---	---	---	---	---	---	22
23	0.0126	0.286	0.553	0.240	---	---	---	---	---	---	---	---	23
24	0.0035*	0.139	1.29	0.120	---	---	---	---	---	---	---	---	24
25	0.0025	0.0768	0.560	0.0725	---	---	---	---	---	---	---	---	25
26	0.0023	0.0591	0.277	0.0554	---	---	---	---	---	---	---	---	26
27	0.0021	0.0410	41.3*	0.0442	---	---	---	---	---	---	---	---	27
28	0.0011	0.0265	13.2*	0.0313	---	---	---	---	---	---	---	---	28
29	0.0008		1.84*	0.0222	---	---	---	---	---	---	---	---	29
30	0.0008		0.459	0.0179	---	---	---	---	---	---	---	---	30
31	0.0007		0.227		---		---	---		---		---	31
TOTAL	1.03	10.5	78.6	12.3	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0332	0.374	2.54	0.408	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0853	0.523	7.60	0.635	---	---	---	---	---	---	---	---	ST.D.
MAX	0.467	1.67	41.3	2.50	---	---	---	---	---	---	---	---	MAX
MIN	0.0007	0.0007	0.0558	0.0179	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 102

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 456.9586 B1= 1.7847 A2= 0.0000 B2= 0.0000 R^2= 0.8286 N= 24.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.89	0.0040	0.346*	0.650	---	---	---	---	---	---	---	---	1
2	0.612	0.0063	11.9*	0.493	---	---	---	---	---	---	---	---	2
3	0.321	0.0410	9.62*	0.359	---	---	---	---	---	---	---	---	3
4	0.183	2.71	2.20	0.319	---	---	---	---	---	---	---	---	4
5	0.137	5.18	2.10	0.317	---	---	---	---	---	---	---	---	5
6	0.0856	2.03	13.3	0.317	---	---	---	---	---	---	---	---	6
7	0.0510	1.59	9.48	0.295	---	---	---	---	---	---	---	---	7
8	0.0338	2.17	1.78	0.811*	---	---	---	---	---	---	---	---	8
9	0.0207	1.46	0.915	6.77*	---	---	---	---	---	---	---	---	9
10	0.0184	0.795	0.588	9.14*	---	---	---	---	---	---	---	---	10
11	0.0414	0.436	0.432	1.50	---	---	---	---	---	---	---	---	11
12	0.0413	0.260	0.342	0.677	---	---	---	---	---	---	---	---	12
13	0.0149	0.120	0.284	0.428	---	---	---	---	---	---	---	---	13
14	0.0162	0.0960	0.258	0.332	---	---	---	---	---	---	---	---	14
15	0.0129	0.0416	0.296	5.72	---	---	---	---	---	---	---	---	15
16	0.136	0.0207	0.353	4.97	---	---	---	---	---	---	---	---	16
17	0.232	0.0138	0.377	1.11	---	---	---	---	---	---	---	---	17
18	0.154	0.0099*	5.84	0.638	---	---	---	---	---	---	---	---	18
19	0.132	6.26	4.29	0.397	---	---	---	---	---	---	---	---	19
20	0.120	5.73	1.95	1.46	---	---	---	---	---	---	---	---	20
21	0.0960*	4.06	1.98	5.37	---	---	---	---	---	---	---	---	21
22	0.0546	4.85*	1.31	2.98	---	---	---	---	---	---	---	---	22
23	0.0641	1.19	2.21	1.01	---	---	---	---	---	---	---	---	23
24	0.0195*	0.607	4.91	0.529	---	---	---	---	---	---	---	---	24
25	0.0138	0.348	2.24	0.330	---	---	---	---	---	---	---	---	25
26	0.0128	0.273	1.16	0.257	---	---	---	---	---	---	---	---	26
27	0.0118	0.194	124*	0.208	---	---	---	---	---	---	---	---	27
28	0.0065	0.128	42.9*	0.150	---	---	---	---	---	---	---	---	28
29	0.0050		6.81*	0.109	---	---	---	---	---	---	---	---	29
30	0.0047		1.86	0.0892	---	---	---	---	---	---	---	---	30
31	0.0043		0.965		---		---	---		---		---	31
TOTAL	4.55	40.6	257	47.7	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.147	1.45	8.30	1.59	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.346	1.96	22.9	2.34	---	---	---	---	---	---	---	---	ST.D.
MAX	1.89	6.26	124	9.14	---	---	---	---	---	---	---	---	MAX
MIN	0.0043	0.0040	0.258	0.0892	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 350

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.4071 B1= 1.6736 A2= 0.0000 B2= 0.0000 R^2= 0.8809 N= 24.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.212	0.0015	0.0515*	0.0908	---	---	---	---	---	---	---	---	1
2	0.0861	0.0022	0.905*	0.0727	---	---	---	---	---	---	---	---	2
3	0.0515	0.0090	0.773*	0.0564	---	---	---	---	---	---	---	---	3
4	0.0329	0.249	0.239	0.0513	---	---	---	---	---	---	---	---	4
5	0.0261	0.479	0.224	0.0511	---	---	---	---	---	---	---	---	5
6	0.0178	0.225	0.962	0.0511	---	---	---	---	---	---	---	---	6
7	0.0118	0.186	0.756	0.0482	---	---	---	---	---	---	---	---	7
8	0.0085	0.230	0.203	0.108*	---	---	---	---	---	---	---	---	8
9	0.0057	0.173	0.119	0.596*	---	---	---	---	---	---	---	---	9
10	0.0052	0.106	0.0838	0.758*	---	---	---	---	---	---	---	---	10
11	0.0099	0.0657	0.0654	0.178	---	---	---	---	---	---	---	---	11
12	0.0099	0.0436	0.0542	0.0939	---	---	---	---	---	---	---	---	12
13	0.0044	0.0234	0.0466	0.0650	---	---	---	---	---	---	---	---	13
14	0.0047	0.0196	0.0429	0.0530	---	---	---	---	---	---	---	---	14
15	0.0039	0.0100	0.0481	0.520	---	---	---	---	---	---	---	---	15
16	0.0246	0.0057	0.0554	0.465	---	---	---	---	---	---	---	---	16
17	0.0396	0.0041	0.0585	0.140	---	---	---	---	---	---	---	---	17
18	0.0286	0.0032*	0.508	0.0895	---	---	---	---	---	---	---	---	18
19	0.0253	0.560	0.410	0.0612	---	---	---	---	---	---	---	---	19
20	0.0234	0.509	0.218	0.174	---	---	---	---	---	---	---	---	20
21	0.0196*	0.379	0.222	0.495	---	---	---	---	---	---	---	---	21
22	0.0125	0.451*	0.158	0.308	---	---	---	---	---	---	---	---	22
23	0.0142	0.146	0.239	0.130	---	---	---	---	---	---	---	---	23
24	0.0054*	0.0858	0.458	0.0770	---	---	---	---	---	---	---	---	24
25	0.0041	0.0550	0.244	0.0528	---	---	---	---	---	---	---	---	25
26	0.0039	0.0453	0.145	0.0431	---	---	---	---	---	---	---	---	26
27	0.0036	0.0344	5.82*	0.0364	---	---	---	---	---	---	---	---	27
28	0.0023	0.0247	2.54*	0.0280	---	---	---	---	---	---	---	---	28
29	0.0018		0.591*	0.0217	---	---	---	---	---	---	---	---	29
30	0.0017		0.209	0.0185	---	---	---	---	---	---	---	---	30
31	0.0016		0.125		---		---	---		---		---	31
TOTAL	0.703	4.13	16.6	4.93	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0227	0.147	0.535	0.164	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0395	0.175	1.09	0.197	---	---	---	---	---	---	---	---	ST.D.
MAX	0.212	0.560	5.82	0.758	---	---	---	---	---	---	---	---	MAX
MIN	0.0016	0.0015	0.0429	0.0185	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 26.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0700 B1= 1.3432 A2= 0.0000 B2= 0.0000 R^2= 0.7331 N= 24.

TOTAL DAILY DISCHARGE FOR 1991 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.13	0.639	0	0	0	0	---	---	1
2	---	---	---	---	0.769	0.458	0	0	0	0	---	---	2
3	---	---	---	---	0.596	0.354	0	0	0	0	---	---	3
4	---	---	---	---	0.484	0.233	0	0.406	0	0	---	---	4
5	---	---	---	---	0.484	0.181	0.0605	0.0346	0	0	---	---	5
6	---	---	---	---	0.648	0.156	0	0	0	0	---	---	6
7	---	---	---	---	0.415	0.138	0.156	0	0	0	---	---	7
8	---	---	---	---	0.337	0.130	0.130	0	0	0	---	---	8
9	---	---	---	---	0.492	0.112	0.0173	0	0	0	---	---	9
10	---	---	---	---	0.441	0.104	0	0	0	0	---	---	10
11	---	---	---	---	0.432	0.190	0	0	0	0	---	---	11
12	---	---	---	---	0.432	0.104	0	0	0	0	---	---	12
13	---	---	---	---	0.389	0.0778	0.0518	0	0	0	---	---	13
14	---	---	---	---	0.328	0.0691	0	0	0	0	---	---	14
15	---	---	---	---	0.268	0.0950	0	0	0	0	---	---	15
16	---	---	---	---	0.225	0.121	0	0	0	0	---	---	16
17	---	---	---	---	0.432	0.0605	0	0	0	0	---	---	17
18	---	---	---	---	0.207	0.0518	0	0	0	0	---	---	18
19	---	---	---	---	0.181	0.0518	0	0	0	0	---	---	19
20	---	---	---	---	0.181	0.0346	0	0	0	0	---	---	20
21	---	---	---	---	0.190	0.0259	0	0	0	0	---	---	21
22	---	---	---	---	0.173	0.0259	0	0	0	0	---	---	22
23	---	---	---	---	0.147	0.0173	0	0	0	0	---	---	23
24	---	---	---	---	0.251	0.0086	0	0	0	0	---	---	24
25	---	---	---	---	0.994	0.0086	0	0	0	0	---	---	25
26	---	---	---	---	4.63	0.0086	0	0	0	0	---	---	26
27	---	---	---	---	2.98	0.0086	0	0	0	0	---	---	27
28	---	---	---	---	1.95	0.0086	0	0	0	0	---	---	28
29	---		---	---	1.57	0	0	0	0	0	---	---	29
30	---		---	---	1.31	0	0.0950	0	0	0	---	---	30
31	---		---		1.01		0	0		0		---	31
TOTAL	---	---	---	---	24.1	3.47	0.510	0.441	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.777	0.116	0.0164	0.0142	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.943	0.145	0.0401	0.0730	0	0	---	---	ST.D.
MAX	---	---	---	---	4.63	0.639	0.156	0.406	0	0	---	---	MAX
MIN	---	---	---	---	0.147	0	0	0	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 28.5
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0263	0.0127	0	0	0	0	---	---	1
2	---	---	---	---	0.0161	0.0083	0	0	0	0	---	---	2
3	---	---	---	---	0.0116	0.0060	0	0	0	0	---	---	3
4	---	---	---	---	0.0089	0.0035	0	0.0072	0	0	---	---	4
5	---	---	---	---	0.0089	0.0026	0.0006*	0.0003	0	0	---	---	5
6	---	---	---	---	0.0130	0.0021	0	0	0	0	---	---	6
7	---	---	---	---	0.0073	0.0018	0.0021*	0	0	0	---	---	7
8	---	---	---	---	0.0056	0.0017	0.0017*	0	0	0	---	---	8
9	---	---	---	---	0.0091	0.0014	0.0001	0	0	0	---	---	9
10	---	---	---	---	0.0079	0.0013	0	0	0	0	---	---	10
11	---	---	---	---	0.0077	0.0027*	0	0	0	0	---	---	11
12	---	---	---	---	0.0077	0.0013	0	0	0	0	---	---	12
13	---	---	---	---	0.0068	0.0009	0.0005	0	0	0	---	---	13
14	---	---	---	---	0.0055	0.0008	0	0	0	0	---	---	14
15	---	---	---	---	0.0042	0.0011	0	0	0	0	---	---	15
16	---	---	---	---	0.0034*	0.0015	0	0	0	0	---	---	16
17	---	---	---	---	0.0077*	0.0006	0	0	0	0	---	---	17
18	---	---	---	---	0.0030*	0.0005	0	0	0	0	---	---	18
19	---	---	---	---	0.0026	0.0005	0	0	0	0	---	---	19
20	---	---	---	---	0.0026	0.0003	0	0	0	0	---	---	20
21	---	---	---	---	0.0027	0.0002	0	0	0	0	---	---	21
22	---	---	---	---	0.0024	0.0002	0	0	0	0	---	---	22
23	---	---	---	---	0.0020	0.0001	0	0	0	0	---	---	23
24	---	---	---	---	0.0039*	0.0001	0	0	0	0	---	---	24
25	---	---	---	---	0.0223*	0.0001	0	0	0	0	---	---	25
26	---	---	---	---	0.157*	0.0001	0	0	0	0	---	---	26
27	---	---	---	---	0.0900	0.0001	0	0	0	0	---	---	27
28	---	---	---	---	0.0526	0.0001	0	0	0	0	---	---	28
29	---		---	---	0.0399	0	0	0	0	0	---	---	29
30	---		---	---	0.0318	0	0.0011*	0	0	0	---	---	30
31	---		---		0.0228		0	0		0		---	31
TOTAL	---	---	---	---	0.594	0.0526	0.0062	0.0075	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.0192	0.0018	0.0002	0.0002	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.0316	0.0028	0.0005	0.0013	0	0	---	---	ST.D.
MAX	---	---	---	---	0.157	0.0127	0.0021	0.0072	0	0	---	---	MAX
MIN	---	---	---	---	0.0020	0	0	0	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.660

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 74.9730 B1= 1.2702 A2= 0.0000 B2= 0.0000 R^2= 0.7328 N= 30.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.221	0.121	0	0	0	0	---	---	1
2	---	---	---	---	0.147	0.0857	0	0	0	0	---	---	2
3	---	---	---	---	0.113	0.0655	0	0	0	0	---	---	3
4	---	---	---	---	0.0907	0.0423	0	0.0756	0	0	---	---	4
5	---	---	---	---	0.0907	0.0326	0.0099*	0.0058	0	0	---	---	5
6	---	---	---	---	0.123	0.0277	0	0	0	0	---	---	6
7	---	---	---	---	0.0772	0.0245	0.0277*	0	0	0	---	---	7
8	---	---	---	---	0.0622	0.0229	0.0229*	0	0	0	---	---	8
9	---	---	---	---	0.0924	0.0197	0.0028	0	0	0	---	---	9
10	---	---	---	---	0.0823	0.0181	0	0	0	0	---	---	10
11	---	---	---	---	0.0806	0.0342*	0	0	0	0	---	---	11
12	---	---	---	---	0.0806	0.0181	0	0	0	0	---	---	12
13	---	---	---	---	0.0722	0.0134	0.0088	0	0	0	---	---	13
14	---	---	---	---	0.0605	0.0119	0	0	0	0	---	---	14
15	---	---	---	---	0.0489	0.0166	0	0	0	0	---	---	15
16	---	---	---	---	0.0407*	0.0213	0	0	0	0	---	---	16
17	---	---	---	---	0.0806*	0.0103	0	0	0	0	---	---	17
18	---	---	---	---	0.0374*	0.0088	0	0	0	0	---	---	18
19	---	---	---	---	0.0326	0.0088	0	0	0	0	---	---	19
20	---	---	---	---	0.0326	0.0058	0	0	0	0	---	---	20
21	---	---	---	---	0.0342	0.0043	0	0	0	0	---	---	21
22	---	---	---	---	0.0309	0.0043	0	0	0	0	---	---	22
23	---	---	---	---	0.0261	0.0028	0	0	0	0	---	---	23
24	---	---	---	---	0.0456*	0.0014	0	0	0	0	---	---	24
25	---	---	---	---	0.192*	0.0014	0	0	0	0	---	---	25
26	---	---	---	---	0.961*	0.0014	0	0	0	0	---	---	26
27	---	---	---	---	0.607	0.0014	0	0	0	0	---	---	27
28	---	---	---	---	0.390	0.0014	0	0	0	0	---	---	28
29	---		---	---	0.311	0	0	0	0	0	---	---	29
30	---		---	---	0.258	0	0.0166*	0	0	0	---	---	30
31	---		---		0.196		0	0		0		---	31
TOTAL	---	---	---	---	4.72	0.628	0.0887	0.0813	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.152	0.0209	0.0029	0.0026	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.195	0.0273	0.0071	0.0136	0	0	---	---	ST.D.
MAX	---	---	---	---	0.961	0.121	0.0277	0.0756	0	0	---	---	MAX
MIN	---	---	---	---	0.0261	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 5.52

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2367 B1= 1.0449 A2= 0.0000 B2= 0.0000 R^2= 0.6688 N= 30.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0595	0.0290	0	0	0	0	---	---	1
2	---	---	---	---	0.0366	0.0191	0	0	0	0	---	---	2
3	---	---	---	---	0.0266	0.0138	0	0	0	0	---	---	3
4	---	---	---	---	0.0204	0.0082	0	0.0164	0	0	---	---	4
5	---	---	---	---	0.0204	0.0059	0.0014*	0.0007	0	0	---	---	5
6	---	---	---	---	0.0295	0.0049	0	0	0	0	---	---	6
7	---	---	---	---	0.0168	0.0042	0.0049*	0	0	0	---	---	7
8	---	---	---	---	0.0130	0.0039	0.0039*	0	0	0	---	---	8
9	---	---	---	---	0.0209	0.0032	0.0003	0	0	0	---	---	9
10	---	---	---	---	0.0182	0.0029	0	0	0	0	---	---	10
11	---	---	---	---	0.0177	0.0063*	0	0	0	0	---	---	11
12	---	---	---	---	0.0177	0.0029	0	0	0	0	---	---	12
13	---	---	---	---	0.0155	0.0020	0.0012	0	0	0	---	---	13
14	---	---	---	---	0.0125	0.0018	0	0	0	0	---	---	14
15	---	---	---	---	0.0097	0.0026	0	0	0	0	---	---	15
16	---	---	---	---	0.0078*	0.0036	0	0	0	0	---	---	16
17	---	---	---	---	0.0177*	0.0015	0	0	0	0	---	---	17
18	---	---	---	---	0.0070*	0.0012	0	0	0	0	---	---	18
19	---	---	---	---	0.0059	0.0012	0	0	0	0	---	---	19
20	---	---	---	---	0.0059	0.0007	0	0	0	0	---	---	20
21	---	---	---	---	0.0063	0.0005	0	0	0	0	---	---	21
22	---	---	---	---	0.0056	0.0005	0	0	0	0	---	---	22
23	---	---	---	---	0.0046	0.0003	0	0	0	0	---	---	23
24	---	---	---	---	0.0089*	0.0001	0	0	0	0	---	---	24
25	---	---	---	---	0.0505*	0.0001	0	0	0	0	---	---	25
26	---	---	---	---	0.351*	0.0001	0	0	0	0	---	---	26
27	---	---	---	---	0.201	0.0001	0	0	0	0	---	---	27
28	---	---	---	---	0.118	0.0001	0	0	0	0	---	---	28
29	---		---	---	0.0901	0	0	0	0	0	---	---	29
30	---		---	---	0.0718	0	0.0026*	0	0	0		---	30
31	---		---		0.0516		0	0		0			31
TOTAL	---	---	---	---	1.34	0.121	0.0144	0.0171	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.0432	0.0040	0.0005	0.0006	0	0	---	---	MEAN
ST.D.	---	---	---	---	0.0704	0.0063	0.0012	0.0029	0	0	---	---	ST.D.
MAX	---	---	---	---	0.351	0.0290	0.0049	0.0164	0	0	---	---	MAX
MIN	---	---	---	---	0.0046	0	0	0	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 1.49

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1615 B1= 1.2588 A2= 0.0000 B2= 0.0000 R^2= 0.3971 N= 30.

TOTAL DAILY DISCHARGE FOR 1991 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.648	1
2	---	---	---	---	---	---	---	---	---	---	0	0.173	2
3	---	---	---	---	---	---	---	---	---	---	0	0.147	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0432	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0086	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0173	6
7	---	---	---	---	---	---	---	---	---	---	0	0.501	7
8	---	---	---	---	---	---	---	---	---	---	0	3.45	8
9	---	---	---	---	---	---	---	---	---	---	0	3.46	9
10	---	---	---	---	---	---	---	---	---	---	0	1.51	10
11	---	---	---	---	---	---	---	---	---	---	0	1.03	11
12	---	---	---	---	---	---	---	---	---	---	0	0.847	12
13	---	---	---	---	---	---	---	---	---	---	0	1.09	13
14	---	---	---	---	---	---	---	---	---	---	0	0.950	14
15	---	---	---	---	---	---	---	---	---	---	0	0.734	15
16	---	---	---	---	---	---	---	---	---	---	0	0.492	16
17	---	---	---	---	---	---	---	---	---	---	0	0.510	17
18	---	---	---	---	---	---	---	---	---	---	0	0.328	18
19	---	---	---	---	---	---	---	---	---	---	0	0.302	19
20	---	---	---	---	---	---	---	---	---	---	0.130	0.285	20
21	---	---	---	---	---	---	---	---	---	---	0.104	0.302	21
22	---	---	---	---	---	---	---	---	---	---	0	0.259	22
23	---	---	---	---	---	---	---	---	---	---	0	0.276	23
24	---	---	---	---	---	---	---	---	---	---	0	0.181	24
25	---	---	---	---	---	---	---	---	---	---	0	0.138	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0864	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0778	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0950	28
29	---		---	---	---	---	---	---	---	---	0.0432	0.190	29
30	---		---	---	---	---	---	---	---	---	1.96	0.225	30
31	---		---		---		---	---		---		0.242	31
TOTAL	---	---	---	---	---	---	---	---	---	---	2.24	18.6	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0746	0.600	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.358	0.843	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.96	3.46	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.0086	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 20.8
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0035	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0017	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0015	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0008	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0003	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0005	6
7	---	---	---	---	---	---	---	---	---	---	0	0.0030*	7
8	---	---	---	---	---	---	---	---	---	---	0	0.0087*	8
9	---	---	---	---	---	---	---	---	---	---	0	0.0087*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.0055*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0045*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0040*	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0046*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0043	14
15	---	---	---	---	---	---	---	---	---	---	0	0.0037	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0030	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0030	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0024	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0023	19
20	---	---	---	---	---	---	---	---	---	---	0.0014*	0.0022	20
21	---	---	---	---	---	---	---	---	---	---	0.0013*	0.0023	21
22	---	---	---	---	---	---	---	---	---	---	0	0.0021	22
23	---	---	---	---	---	---	---	---	---	---	0	0.0022	23
24	---	---	---	---	---	---	---	---	---	---	0	0.0017	24
25	---	---	---	---	---	---	---	---	---	---	0	0.0015	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0011	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0011	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0012	28
29	---		---	---	---	---	---	---	---	---	0.0008	0.0018	29
30	---		---	---	---	---	---	---	---	---	0.0064	0.0019	30
31	---		---		---		---	---		---		0.0020	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.0099	0.0871	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0003	0.0028	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0012	0.0020	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0064	0.0087	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.0003	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 0.0969

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.5868 B1= 0.5483 A2= 0.0000 B2= 0.0000 R^2= 0.4731 N= 18.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.144	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0649	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0588	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0280	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0106	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0161	6
7	---	---	---	---	---	---	---	---	---	---	0	0.124*	7
8	---	---	---	---	---	---	---	---	---	---	0	0.397*	8
9	---	---	---	---	---	---	---	---	---	---	0	0.398*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.241*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.191*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.170*	12
13	---	---	---	---	---	---	---	---	---	---	0	0.198*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.182	14
15	---	---	---	---	---	---	---	---	---	---	0	0.156	15
16	---	---	---	---	---	---	---	---	---	---	0	0.122	16
17	---	---	---	---	---	---	---	---	---	---	0	0.125	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0957	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0911	19
20	---	---	---	---	---	---	---	---	---	---	0.0545*	0.0879	20
21	---	---	---	---	---	---	---	---	---	---	0.0476*	0.0911	21
22	---	---	---	---	---	---	---	---	---	---	0	0.0829	22
23	---	---	---	---	---	---	---	---	---	---	0	0.0863	23
24	---	---	---	---	---	---	---	---	---	---	0	0.0668	24
25	---	---	---	---	---	---	---	---	---	---	0	0.0567	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0427	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0400	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0452	28
29	---		---	---	---	---	---	---	---	---	0.0280	0.0687	29
30	---		---	---	---	---	---	---	---	---	0.282	0.0761	30
31	---		---		---		---	---		---		0.0796	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.413	3.64	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0138	0.117	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0526	0.0936	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.282	0.398	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.0106	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 4.05

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0323 B1= 0.6054 A2= 0.0000 B2= 0.0000 R^2= 0.5727 N= 18.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0.0545	1
2	---	---	---	---	---	---	---	---	---	---	0	0.0204	2
3	---	---	---	---	---	---	---	---	---	---	0	0.0181	3
4	---	---	---	---	---	---	---	---	---	---	0	0.0073	4
5	---	---	---	---	---	---	---	---	---	---	0	0.0022	5
6	---	---	---	---	---	---	---	---	---	---	0	0.0037	6
7	---	---	---	---	---	---	---	---	---	---	0	0.0450*	7
8	---	---	---	---	---	---	---	---	---	---	0	0.188*	8
9	---	---	---	---	---	---	---	---	---	---	0	0.188*	9
10	---	---	---	---	---	---	---	---	---	---	0	0.102*	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0767*	11
12	---	---	---	---	---	---	---	---	---	---	0	0.0664*	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0800*	13
14	---	---	---	---	---	---	---	---	---	---	0	0.0724	14
15	---	---	---	---	---	---	---	---	---	---	0	0.0598	15
16	---	---	---	---	---	---	---	---	---	---	0	0.0444	16
17	---	---	---	---	---	---	---	---	---	---	0	0.0456	17
18	---	---	---	---	---	---	---	---	---	---	0	0.0329	18
19	---	---	---	---	---	---	---	---	---	---	0	0.0310	19
20	---	---	---	---	---	---	---	---	---	---	0.0165*	0.0296	20
21	---	---	---	---	---	---	---	---	---	---	0.0140*	0.0310	21
22	---	---	---	---	---	---	---	---	---	---	0	0.0276	22
23	---	---	---	---	---	---	---	---	---	---	0	0.0290	23
24	---	---	---	---	---	---	---	---	---	---	0	0.0212	24
25	---	---	---	---	---	---	---	---	---	---	0	0.0173	25
26	---	---	---	---	---	---	---	---	---	---	0	0.0122	26
27	---	---	---	---	---	---	---	---	---	---	0	0.0113	27
28	---	---	---	---	---	---	---	---	---	---	0	0.0131	28
29	---		---	---	---	---	---	---	---	---	0.0073	0.0219	29
30	---		---	---	---	---	---	---	---	---	0.124	0.0248	30
31	---		---		---		---	---		---		0.0262	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.162	1.40	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0054	0.0453	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0227	0.0453	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.124	0.188	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0.0022	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 1.57

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0237 B1= 0.7416 A2= 0.0000 B2= 0.0000 R^2= 0.3448 N= 18.

TOTAL DAILY DISCHARGE FOR 1992 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.173	0.976	4.33	---	---	---	---	---	---	---	---	---	1
2	0.173	0.795	4.53	---	---	---	---	---	---	---	---	---	2
3	0.187	0.683	4.78	---	---	---	---	---	---	---	---	---	3
4	1.14	0.570	9.55	---	---	---	---	---	---	---	---	---	4
5	2.90	0.510	18.1	---	---	---	---	---	---	---	---	---	5
6	2.52	0.449	25.1	---	---	---	---	---	---	---	---	---	6
7	1.85	0.397	37.6	---	---	---	---	---	---	---	---	---	7
8	1.47	0.346	35.6	---	---	---	---	---	---	---	---	---	8
9	1.58	0.285	33.3	---	---	---	---	---	---	---	---	---	9
10	2.30	0.259	33.4	---	---	---	---	---	---	---	---	---	10
11	1.89	0.251	13.3	---	---	---	---	---	---	---	---	---	11
12	1.57	0.242	5.50	---	---	---	---	---	---	---	---	---	12
13	2.54	0.233	3.18	---	---	---	---	---	---	---	---	---	13
14	7.39	0.225	2.62	---	---	---	---	---	---	---	---	---	14
15	4.32	0.864	1.91	---	---	---	---	---	---	---	---	---	15
16	2.70	4.29	1.47	---	---	---	---	---	---	---	---	---	16
17	1.99	2.67	1.81	---	---	---	---	---	---	---	---	---	17
18	1.48	2.60	1.71	---	---	---	---	---	---	---	---	---	18
19	1.44	21.7	1.64	---	---	---	---	---	---	---	---	---	19
20	1.26	16.2	1.31	---	---	---	---	---	---	---	---	---	20
21	0.972	8.59	1.05	---	---	---	---	---	---	---	---	---	21
22	0.698	6.61	1.10	---	---	---	---	---	---	---	---	---	22
23	16.4	6.85	0.742	---	---	---	---	---	---	---	---	---	23
24	8.21	7.18	0.526	---	---	---	---	---	---	---	---	---	24
25	3.51	5.05	0.810	---	---	---	---	---	---	---	---	---	25
26	2.48	4.59	1.58	---	---	---	---	---	---	---	---	---	26
27	2.08	4.04	1.76	---	---	---	---	---	---	---	---	---	27
28	1.61	4.44	1.49	---	---	---	---	---	---	---	---	---	28
29	1.51	3.43	1.34	---	---	---	---	---	---	---	---	---	29
30	1.50		1.56	---	---	---	---	---	---	---	---	---	30
31	1.35		1.70		---		---	---		---		---	31
TOTAL	81.2	105	254	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.62	3.63	8.21	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.11	4.99	11.8	---	---	---	---	---	---	---	---	---	ST.D.
MAX	16.4	21.7	37.6	---	---	---	---	---	---	---	---	---	MAX
MIN	0.173	0.225	0.526	---	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 440
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0000	0.0008	0.0133	---	---	---	---	---	---	---	---	---	1
2	0.0000	0.0006	0.0138	---	---	---	---	---	---	---	---	---	2
3	0.0000	0.0004	0.0164*	---	---	---	---	---	---	---	---	---	3
4	0.0019	0.0003	0.0640*	---	---	---	---	---	---	---	---	---	4
5	0.0061	0.0002	0.175*	---	---	---	---	---	---	---	---	---	5
6	0.0047	0.0002	0.322*	---	---	---	---	---	---	---	---	---	6
7	0.0027	0.0002	0.674*	---	---	---	---	---	---	---	---	---	7
8	0.0017	0.0001	0.611*	---	---	---	---	---	---	---	---	---	8
9	0.0020	0.0001	0.544*	---	---	---	---	---	---	---	---	---	9
10	0.0040	0.0001	0.549*	---	---	---	---	---	---	---	---	---	10
11	0.0028	0.0001	0.109*	---	---	---	---	---	---	---	---	---	11
12	0.0020	0.0001	0.0204	---	---	---	---	---	---	---	---	---	12
13	0.0051	0.0001	0.0072	---	---	---	---	---	---	---	---	---	13
14	0.0338	0.0001	0.0051	---	---	---	---	---	---	---	---	---	14
15	0.0126	0.0007	0.0028	---	---	---	---	---	---	---	---	---	15
16	0.0053	0.0130	0.0017	---	---	---	---	---	---	---	---	---	16
17	0.0030	0.0052	0.0026	---	---	---	---	---	---	---	---	---	17
18	0.0018	0.0050	0.0023	---	---	---	---	---	---	---	---	---	18
19	0.0017	0.245*	0.0021	---	---	---	---	---	---	---	---	---	19
20	0.0013	0.151*	0.0014	---	---	---	---	---	---	---	---	---	20
21	0.0008	0.0452*	0.0009	---	---	---	---	---	---	---	---	---	21
22	0.0005	0.0276	0.0010	---	---	---	---	---	---	---	---	---	22
23	0.147	0.0302	0.0005	---	---	---	---	---	---	---	---	---	23
24	0.0410	0.0328	0.0003	---	---	---	---	---	---	---	---	---	24
25	0.0086	0.0168	0.0007	---	---	---	---	---	---	---	---	---	25
26	0.0046	0.0141	0.0020	---	---	---	---	---	---	---	---	---	26
27	0.0033	0.0111	0.0024	---	---	---	---	---	---	---	---	---	27
28	0.0021	0.0133	0.0018	---	---	---	---	---	---	---	---	---	28
29	0.0018	0.0083	0.0015	---	---	---	---	---	---	---	---	---	29
30	0.0018		0.0019	---	---	---	---	---	---	---	---	---	30
31	0.0015		0.0023		---		---	---		---		---	31
TOTAL	0.305	0.623	3.15	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0098	0.0215	0.102	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0270	0.0519	0.204	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.147	0.245	0.674	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0000	0.0001	0.0003	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 4.08

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 36.0292 B1= 1.8390 A2= 0.0000 B2= 0.0000 R^2= 0.8351 N= 32.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0010	0.0166	0.198	---	---	---	---	---	---	---	---	---	1
2	0.0010	0.0118	0.206	---	---	---	---	---	---	---	---	---	2
3	0.0011	0.0092	0.236*	---	---	---	---	---	---	---	---	---	3
4	0.0316	0.0069	0.782*	---	---	---	---	---	---	---	---	---	4
5	0.0990	0.0057	1.98	---	---	---	---	---	---	---	---	---	5
6	0.0789	0.0046	3.41*	---	---	---	---	---	---	---	---	---	6
7	0.0474	0.0038	6.59*	---	---	---	---	---	---	---	---	---	7
8	0.0323	0.0030	6.04*	---	---	---	---	---	---	---	---	---	8
9	0.0368	0.0022	5.44*	---	---	---	---	---	---	---	---	---	9
10	0.0677	0.0019	5.48*	---	---	---	---	---	---	---	---	---	10
11	0.0492	0.0018	1.28*	---	---	---	---	---	---	---	---	---	11
12	0.0363	0.0017	0.289	---	---	---	---	---	---	---	---	---	12
13	0.0840	0.0016	0.115	---	---	---	---	---	---	---	---	---	13
14	0.458	0.0015	0.0842	---	---	---	---	---	---	---	---	---	14
15	0.190	0.0136	0.0502	---	---	---	---	---	---	---	---	---	15
16	0.0877	0.194	0.0324	---	---	---	---	---	---	---	---	---	16
17	0.0532	0.0865	0.0462	---	---	---	---	---	---	---	---	---	17
18	0.0330	0.0834	0.0417	---	---	---	---	---	---	---	---	---	18
19	0.0314	2.68*	0.0390	---	---	---	---	---	---	---	---	---	19
20	0.0253	1.72*	0.0271	---	---	---	---	---	---	---	---	---	20
21	0.0168	0.592*	0.0188	---	---	---	---	---	---	---	---	---	21
22	0.0098	0.383	0.0202	---	---	---	---	---	---	---	---	---	22
23	1.70	0.411	0.0106	---	---	---	---	---	---	---	---	---	23
24	0.544	0.444	0.0060	---	---	---	---	---	---	---	---	---	24
25	0.135	0.246	0.0134	---	---	---	---	---	---	---	---	---	25
26	0.0766	0.210	0.0368	---	---	---	---	---	---	---	---	---	26
27	0.0575	0.170	0.0435	---	---	---	---	---	---	---	---	---	27
28	0.0378	0.199	0.0332	---	---	---	---	---	---	---	---	---	28
29	0.0339	0.130	0.0280	---	---	---	---	---	---	---	---	---	29
30	0.0338		0.0358	---	---	---	---	---	---	---	---	---	30
31	0.0284		0.0412		---		---	---		---		---	31
TOTAL	4.11	7.63	32.7	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.133	0.263	1.05	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.314	0.574	2.03	---	---	---	---	---	---	---	---	---	ST.D.
MAX	1.70	2.68	6.59	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0010	0.0015	0.0060	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 44.4

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is AC= 0.0000 A1= 0.2988 B1= 1.6395 A2= 0.0000 B2= 0.0000 R^2= 0.9330 N= 27.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0003	0.0054	0.0723	---	---	---	---	---	---	---	---	---	1
2	0.0003	0.0038	0.0752	---	---	---	---	---	---	---	---	---	2
3	0.0003	0.0029	0.0874*	---	---	---	---	---	---	---	---	---	3
4	0.0110	0.0021	0.308*	---	---	---	---	---	---	---	---	---	4
5	0.0349	0.0018	0.804*	---	---	---	---	---	---	---	---	---	5
6	0.0275	0.0014	1.42*	---	---	---	---	---	---	---	---	---	6
7	0.0161	0.0011	2.83*	---	---	---	---	---	---	---	---	---	7
8	0.0108	0.0009	2.58*	---	---	---	---	---	---	---	---	---	8
9	0.0124	0.0006	2.32*	---	---	---	---	---	---	---	---	---	9
10	0.0234	0.0006	2.33*	---	---	---	---	---	---	---	---	---	10
11	0.0168	0.0005	0.512*	---	---	---	---	---	---	---	---	---	11
12	0.0122	0.0005	0.108	---	---	---	---	---	---	---	---	---	12
13	0.0295	0.0005	0.0409	---	---	---	---	---	---	---	---	---	13
14	0.173	0.0004	0.0295	---	---	---	---	---	---	---	---	---	14
15	0.0690	0.0044	0.0172	---	---	---	---	---	---	---	---	---	15
16	0.0307	0.0707	0.0108	---	---	---	---	---	---	---	---	---	16
17	0.0182	0.0303	0.0157	---	---	---	---	---	---	---	---	---	17
18	0.0110	0.0292	0.0141	---	---	---	---	---	---	---	---	---	18
19	0.0105	1.10*	0.0131	---	---	---	---	---	---	---	---	---	19
20	0.0084	0.697*	0.0090	---	---	---	---	---	---	---	---	---	20
21	0.0055	0.227*	0.0061	---	---	---	---	---	---	---	---	---	21
22	0.0031	0.144	0.0066	---	---	---	---	---	---	---	---	---	22
23	0.683	0.155	0.0034	---	---	---	---	---	---	---	---	---	23
24	0.208	0.168	0.0019	---	---	---	---	---	---	---	---	---	24
25	0.0484	0.0904	0.0044	---	---	---	---	---	---	---	---	---	25
26	0.0267	0.0767	0.0124	---	---	---	---	---	---	---	---	---	26
27	0.0197	0.0614	0.0147	---	---	---	---	---	---	---	---	---	27
28	0.0127	0.0724	0.0111	---	---	---	---	---	---	---	---	---	28
29	0.0113	0.0465	0.0093	---	---	---	---	---	---	---	---	---	29
30	0.0113		0.0120	---	---	---	---	---	---	---	---	---	30
31	0.0094		0.0139		---		---	---		---		---	31
TOTAL	1.56	3.00	13.7	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0502	0.103	0.442	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.126	0.235	0.866	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.683	1.10	2.83	---	---	---	---	---	---	---	---	---	MAX
MIN	0.0003	0.0004	0.0019	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 18.3

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1367 B1= 1.7166 A2= 0.0000 B2= 0.0000 R^2= 0.7552 N= 32.

TOTAL DAILY DISCHARGE FOR 1992 Pittock Test

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.88	2.22	0.288	---	---	---	---	---	---	1
2	---	---	---	1.78	13.0	0.259	---	---	---	---	---	---	2
3	---	---	---	1.53	13.4	0.220	---	---	---	---	---	---	3
4	---	---	---	1.40	5.34	0.209	---	---	---	---	---	---	4
5	---	---	---	0.983	3.14	0.288	---	---	---	---	---	---	5
6	---	---	---	1.02	2.32	0.220	---	---	---	---	---	---	6
7	---	---	---	1.26	1.86	0.173	---	---	---	---	---	---	7
8	---	---	---	1.12	1.59	0.140	---	---	---	---	---	---	8
9	---	---	---	1.19	1.38	0.0864	---	---	---	---	---	---	9
10	---	---	---	0.972	0.940	0.104	---	---	---	---	---	---	10
11	---	---	---	4.11	0.785	0.0778	---	---	---	---	---	---	11
12	---	---	---	5.26	0.677	0.0605	---	---	---	---	---	---	12
13	---	---	---	3.23	0.526	0.0691	---	---	---	---	---	---	13
14	---	---	---	2.79	0.414	0.0518	---	---	---	---	---	---	14
15	---	---	---	2.42	0.306	0.0346	---	---	---	---	---	---	15
16	---	---	---	38.6	0.241	0.0259	---	---	---	---	---	---	16
17	---	---	---	44.3	3.27	0.0346	---	---	---	---	---	---	17
18	---	---	---	18.5	3.19	0.190	---	---	---	---	---	---	18
19	---	---	---	10.5	1.90	0.181	---	---	---	---	---	---	19
20	---	---	---	6.33	1.48	0.0864	---	---	---	---	---	---	20
21	---	---	---	5.62	1.04	0.0864	---	---	---	---	---	---	21
22	---	---	---	7.55	0.760	0.0605	---	---	---	---	---	---	22
23	---	---	---	4.55	0.641	0.0605	---	---	---	---	---	---	23
24	---	---	---	5.48	0.367	0.121	---	---	---	---	---	---	24
25	---	---	---	10.5	0.310	0.0778	---	---	---	---	---	---	25
26	---	---	---	7.79	0.302	0.0691	---	---	---	---	---	---	26
27	---	---	---	4.70	0.227	0.0518	---	---	---	---	---	---	27
28	---	---	---	3.20	0.173	0.0259	---	---	---	---	---	---	28
29	---	---	---	2.61	0.173	0.0259	---	---	---	---	---	---	29
30	---		---	2.37	0.194	0.0259	---	---	---	---	---	---	30
31	---		---		0.331		---	---		---		---	31
TOTAL	---	---	---	203	62.5	3.40	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	6.78	2.02	0.113	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	10.2	3.22	0.0823	---	---	---	---	---	---	ST.D.
MAX	---	---	---	44.3	13.4	0.288	---	---	---	---	---	---	MAX
MIN	---	---	---	0.972	0.173	0.0259	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 269
DRAINAGE AREA (hectares), 359.0

Watershed: Pittock Test Area: 359. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0108	0.0143	0.0004	---	---	---	---	---	---	1
2	---	---	---	0.0098	0.519	0.0004	---	---	---	---	---	---	2
3	---	---	---	0.0076	0.330	0.0003	---	---	---	---	---	---	3
4	---	---	---	0.0065	0.0656	0.0003	---	---	---	---	---	---	4
5	---	---	---	0.0036	0.0262	0.0004	---	---	---	---	---	---	5
6	---	---	---	0.0038	0.0156	0.0003	---	---	---	---	---	---	6
7	---	---	---	0.0055	0.0106	0.0002	---	---	---	---	---	---	7
8	---	---	---	0.0044	0.0081	0.0001	---	---	---	---	---	---	8
9	---	---	---	0.0049	0.0064	0.0001	---	---	---	---	---	---	9
10	---	---	---	0.0035*	0.0033	0.0001	---	---	---	---	---	---	10
11	---	---	---	0.0493*	0.0024	0.0000	---	---	---	---	---	---	11
12	---	---	---	0.0645	0.0019	0.0000	---	---	---	---	---	---	12
13	---	---	---	0.0273	0.0012	0.0000	---	---	---	---	---	---	13
14	---	---	---	0.0213	0.0008	0.0000	---	---	---	---	---	---	14
15	---	---	---	0.0166	0.0005	0.0000	---	---	---	---	---	---	15
16	---	---	---	3.00*	0.0003	0	---	---	---	---	---	---	16
17	---	---	---	2.60*	0.0638	0.0000	---	---	---	---	---	---	17
18	---	---	---	0.560	0.0281	0.0002	---	---	---	---	---	---	18
19	---	---	---	0.209	0.0111	0.0002	---	---	---	---	---	---	19
20	---	---	---	0.0871	0.0072	0.0001	---	---	---	---	---	---	20
21	---	---	---	0.0714	0.0039	0.0001	---	---	---	---	---	---	21
22	---	---	---	0.118	0.0023	0.0000	---	---	---	---	---	---	22
23	---	---	---	0.0494	0.0017	0.0000	---	---	---	---	---	---	23
24	---	---	---	0.0681	0.0007	0.0001	---	---	---	---	---	---	24
25	---	---	---	0.210	0.0005	0.0000	---	---	---	---	---	---	25
26	---	---	---	0.126	0.0005	0.0000	---	---	---	---	---	---	26
27	---	---	---	0.0522	0.0003	0.0000	---	---	---	---	---	---	27
28	---	---	---	0.0270	0.0002	0	---	---	---	---	---	---	28
29	---	---	---	0.0190	0.0002	0	---	---	---	---	---	---	29
30	---		---	0.0160	0.0002*	0	---	---	---	---	---	---	30
31	---		---		0.0006*		---	---		---		---	31
TOTAL	---	---	---	7.45	1.13	0.0034	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.248	0.0364	0.0001	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	0.704	0.108	0.0001	---	---	---	---	---	---	ST.D.
MAX	---	---	---	3.00	0.519	0.0004	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0035	0.0002	0	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 8.58

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 88.9297 B1= 1.7165 A2= 0.0000 B2= 0.0000 R^2= 0.9175 N= 20.

Watershed: Pittock Test Area: 359. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.123	0.155	0.0091	---	---	---	---	---	---	1
2	---	---	---	0.114	2.40	0.0078	---	---	---	---	---	---	2
3	---	---	---	0.0921	1.92	0.0062	---	---	---	---	---	---	3
4	---	---	---	0.0812	0.527	0.0058	---	---	---	---	---	---	4
5	---	---	---	0.0499	0.251	0.0091	---	---	---	---	---	---	5
6	---	---	---	0.0523	0.165	0.0062	---	---	---	---	---	---	6
7	---	---	---	0.0706	0.121	0.0044	---	---	---	---	---	---	7
8	---	---	---	0.0598	0.0972	0.0034	---	---	---	---	---	---	8
9	---	---	---	0.0650	0.0801	0.0017	---	---	---	---	---	---	9
10	---	---	---	0.0491*	0.0468	0.0022	---	---	---	---	---	---	10
11	---	---	---	0.396*	0.0364	0.0015	---	---	---	---	---	---	11
12	---	---	---	0.519	0.0297	0.0010	---	---	---	---	---	---	12
13	---	---	---	0.260	0.0210	0.0012	---	---	---	---	---	---	13
14	---	---	---	0.212	0.0150	0.0008	---	---	---	---	---	---	14
15	---	---	---	0.174	0.0099	0.0005	---	---	---	---	---	---	15
16	---	---	---	10.3*	0.0071	0.0003	---	---	---	---	---	---	16
17	---	---	---	10.2	0.406	0.0005	---	---	---	---	---	---	17
18	---	---	---	2.99	0.262	0.0051	---	---	---	---	---	---	18
19	---	---	---	1.35	0.125	0.0047	---	---	---	---	---	---	19
20	---	---	---	0.666	0.0880	0.0017	---	---	---	---	---	---	20
21	---	---	---	0.565	0.0539	0.0017	---	---	---	---	---	---	21
22	---	---	---	0.850	0.0349	0.0010	---	---	---	---	---	---	22
23	---	---	---	0.420	0.0275	0.0010	---	---	---	---	---	---	23
24	---	---	---	0.545	0.0127	0.0027	---	---	---	---	---	---	24
25	---	---	---	1.35	0.0100	0.0015	---	---	---	---	---	---	25
26	---	---	---	0.894	0.0097	0.0012	---	---	---	---	---	---	26
27	---	---	---	0.440	0.0065	0.0008	---	---	---	---	---	---	27
28	---	---	---	0.258	0.0044	0.0003	---	---	---	---	---	---	28
29	---	---	---	0.194	0.0044	0.0003	---	---	---	---	---	---	29
30	---		---	0.169	0.0053*	0.0003	---	---	---	---	---	---	30
31	---		---		0.0111*		---	---		---		---	31
TOTAL	---	---	---	33.5	6.95	0.0841	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	1.12	0.224	0.0028	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	2.55	0.535	0.0027	---	---	---	---	---	---	ST.D.
MAX	---	---	---	10.3	2.40	0.0091	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0491	0.0044	0.0003	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 40.5

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.2917 B1= 1.3914 A2= 0.0000 B2= 0.0000 R^2= 0.9078 N= 17.

Watershed: Pittock Test Area: 359. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0406	0.0513	0.0030	---	---	---	---	---	---	1
2	---	---	---	0.0377	0.800	0.0026	---	---	---	---	---	---	2
3	---	---	---	0.0305	0.641	0.0021	---	---	---	---	---	---	3
4	---	---	---	0.0269	0.175	0.0019	---	---	---	---	---	---	4
5	---	---	---	0.0165	0.0833	0.0030	---	---	---	---	---	---	5
6	---	---	---	0.0173	0.0546	0.0021	---	---	---	---	---	---	6
7	---	---	---	0.0234	0.0400	0.0015	---	---	---	---	---	---	7
8	---	---	---	0.0198	0.0322	0.0011	---	---	---	---	---	---	8
9	---	---	---	0.0215	0.0265	0.0006	---	---	---	---	---	---	9
10	---	---	---	0.0163*	0.0155	0.0007	---	---	---	---	---	---	10
11	---	---	---	0.132*	0.0120	0.0005	---	---	---	---	---	---	11
12	---	---	---	0.172	0.0098	0.0003	---	---	---	---	---	---	12
13	---	---	---	0.0864	0.0069	0.0004	---	---	---	---	---	---	13
14	---	---	---	0.0704	0.0049	0.0003	---	---	---	---	---	---	14
15	---	---	---	0.0578	0.0033	0.0002	---	---	---	---	---	---	15
16	---	---	---	3.43*	0.0023	0.0001	---	---	---	---	---	---	16
17	---	---	---	3.42*	0.135	0.0002	---	---	---	---	---	---	17
18	---	---	---	0.994	0.0869	0.0017	---	---	---	---	---	---	18
19	---	---	---	0.449	0.0415	0.0016	---	---	---	---	---	---	19
20	---	---	---	0.221	0.0291	0.0006	---	---	---	---	---	---	20
21	---	---	---	0.188	0.0178	0.0006	---	---	---	---	---	---	21
22	---	---	---	0.283	0.0115	0.0003	---	---	---	---	---	---	22
23	---	---	---	0.140	0.0091	0.0003	---	---	---	---	---	---	23
24	---	---	---	0.181	0.0042	0.0009	---	---	---	---	---	---	24
25	---	---	---	0.450	0.0033	0.0005	---	---	---	---	---	---	25
26	---	---	---	0.297	0.0032	0.0004	---	---	---	---	---	---	26
27	---	---	---	0.146	0.0022	0.0003	---	---	---	---	---	---	27
28	---	---	---	0.0855	0.0015	0.0001	---	---	---	---	---	---	28
29	---	---	---	0.0643	0.0015	0.0001	---	---	---	---	---	---	29
30	---		---	0.0559	0.0017*	0.0001	---	---	---	---	---	---	30
31	---		---		0.0037*		---	---		---		---	31
TOTAL	---	---	---	11.2	2.31	0.0277	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.372	0.0745	0.0009	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	0.853	0.178	0.0009	---	---	---	---	---	---	ST.D.
MAX	---	---	---	3.43	0.800	0.0030	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0163	0.0015	0.0001	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 13.5

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0975 B1= 1.3936 A2= 0.0000 B2= 0.0000 R^2= 0.7752 N= 20.

PITTOCK CONTROL WATER QUALITY LOADS

TOTAL DAILY DISCHARGE FOR 1989 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.929	3.19	0.245	3.15	---	---	---	---	---	---	---	---	1
2	0.770	1.59	0.209	2.68	---	---	---	---	---	---	---	---	2
3	0.515	1.13	0.234	6.06	---	---	---	---	---	---	---	---	3
4	0.230	0.896	0.259	10.2	---	---	---	---	---	---	---	---	4
5	0.259	0.778	0.209	6.42	---	---	---	---	---	---	---	---	5
6	0.245	0.608	0.173	6.57	---	---	---	---	---	---	---	---	6
7	0.238	0.443	0.191	4.31	---	---	---	---	---	---	---	---	7
8	18.1	0.472	0.220	3.39	---	---	---	---	---	---	---	---	8
9	3.33	0.360	0.310	2.32	---	---	---	---	---	---	---	---	9
10	1.49	0.346	1.70	1.56	---	---	---	---	---	---	---	---	10
11	0.799	0.382	8.49	1.40	---	---	---	---	---	---	---	---	11
12	3.92	0.403	4.51	1.74	---	---	---	---	---	---	---	---	12
13	1.28	0.407	1.79	2.88	---	---	---	---	---	---	---	---	13
14	0.853	2.16	3.96	3.08	---	---	---	---	---	---	---	---	14
15	0.533	0.961	5.59	4.06	---	---	---	---	---	---	---	---	15
16	0.421	0.446	1.58	2.76	---	---	---	---	---	---	---	---	16
17	0.389	0.338	1.04	2.03	---	---	---	---	---	---	---	---	17
18	0.619	0.277	10.6	2.33	---	---	---	---	---	---	---	---	18
19	0.637	0.317	6.61	1.75	---	---	---	---	---	---	---	---	19
20	0.371	0.306	2.69	1.43	---	---	---	---	---	---	---	---	20
21	0.259	0.346	1.66	1.24	---	---	---	---	---	---	---	---	21
22	0.295	0.274	1.41	1.13	---	---	---	---	---	---	---	---	22
23	0.781	0.259	5.88	1.05	---	---	---	---	---	---	---	---	23
24	1.05	0.209	7.41	1.04	---	---	---	---	---	---	---	---	24
25	0.662	0.259	9.41	1.05	---	---	---	---	---	---	---	---	25
26	9.90	0.302	4.63	0.972	---	---	---	---	---	---	---	---	26
27	1.67	0.248	4.27	0.954	---	---	---	---	---	---	---	---	27
28	3.11	0.259	7.43	0.904	---	---	---	---	---	---	---	---	28
29	4.28		11.8	0.868	---	---	---	---	---	---	---	---	29
30	6.65		5.68	0.821	---	---	---	---	---	---	---	---	30
31	3.41		3.86		---		---	---		---		---	31
TOTAL	68.0	18.0	113	80.2	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.19	0.642	3.68	2.67	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.66	0.670	3.45	2.18	---	---	---	---	---	---	---	---	ST.D.
MAX	18.1	3.19	11.8	10.2	---	---	---	---	---	---	---	---	MAX
MIN	0.230	0.209	0.173	0.821	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 280
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0154	0.124	0.0017	0.118	---	---	---	---	---	---	---	---	1
2	0.0115	0.0381	0.0013	0.0899	---	---	---	---	---	---	---	---	2
3	0.0058	0.0213	0.0016	0.374	---	---	---	---	---	---	---	---	3
4	0.0016	0.0146	0.0018	0.848	---	---	---	---	---	---	---	---	4
5	0.0018	0.0115	0.0013	0.387	---	---	---	---	---	---	---	---	5
6	0.0017	0.0077	0.0009	0.402	---	---	---	---	---	---	---	---	6
7	0.0017	0.0045	0.0011	0.198	---	---	---	---	---	---	---	---	7
8	2.81	0.0050	0.0014	0.134	---	---	---	---	---	---	---	---	8
9	0.136	0.0032	0.0029	0.0711	---	---	---	---	---	---	---	---	9
10	0.0341	0.0030	0.0704*	0.0369	---	---	---	---	---	---	---	---	10
11	0.0121	0.0035	0.994*	0.0306	---	---	---	---	---	---	---	---	11
12	0.223	0.0038	0.225*	0.0440	---	---	---	---	---	---	---	---	12
13	0.0274	0.0039	0.0499	0.102	---	---	---	---	---	---	---	---	13
14	0.0134	0.108	0.230	0.113	---	---	---	---	---	---	---	---	14
15	0.0062	0.0166	0.336	0.180	---	---	---	---	---	---	---	---	15
16	0.0041	0.0046	0.0377	0.0955	---	---	---	---	---	---	---	---	16
17	0.0037	0.0029*	0.0187	0.0565	---	---	---	---	---	---	---	---	17
18	0.0097	0.0021	1.05	0.0710	---	---	---	---	---	---	---	---	18
19	0.0085	0.0026	0.495	0.0442	---	---	---	---	---	---	---	---	19
20	0.0034	0.0024	0.0920	0.0317	---	---	---	---	---	---	---	---	20
21	0.0018	0.0030	0.0408	0.0248	---	---	---	---	---	---	---	---	21
22	0.0023	0.0020	0.0320	0.0214	---	---	---	---	---	---	---	---	22
23	0.0153	0.0018	0.520*	0.0190	---	---	---	---	---	---	---	---	23
24	0.0209	0.0013	0.600*	0.0184	---	---	---	---	---	---	---	---	24
25	0.0092	0.0018	0.782*	0.0189	---	---	---	---	---	---	---	---	25
26	1.09	0.0024	0.229*	0.0166	---	---	---	---	---	---	---	---	26
27	0.0429	0.0017	0.196	0.0161	---	---	---	---	---	---	---	---	27
28	0.168	0.0018	0.531*	0.0147*	---	---	---	---	---	---	---	---	28
29	0.260		1.09*	0.0137	---	---	---	---	---	---	---	---	29
30	0.438		0.319*	0.0125*	---	---	---	---	---	---	---	---	30
31	0.144		0.165		---		---	---		---		---	31
TOTAL	5.52	0.399	8.12	3.60	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.178	0.0143	0.262	0.120	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.531	0.0299	0.336	0.177	---	---	---	---	---	---	---	---	ST.D.
MAX	2.81	0.124	1.09	0.848	---	---	---	---	---	---	---	---	MAX
MIN	0.0016	0.0013	0.0009	0.0125	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 17.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 337.5168 B1= 1.6653 A2= 0.0000 B2= 0.0000 R^2= 0.6397 N= 37.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.235	1.36	0.0362	1.32	---	---	---	---	---	---	---	---	1
2	0.183	0.506	0.0291	1.05	---	---	---	---	---	---	---	---	2
3	0.103	0.309	0.0341	3.42	---	---	---	---	---	---	---	---	3
4	0.0338	0.224	0.0390	6.95	---	---	---	---	---	---	---	---	4
5	0.0390	0.184	0.0291	3.59	---	---	---	---	---	---	---	---	5
6	0.0362	0.130	0.0221	3.70	---	---	---	---	---	---	---	---	6
7	0.0354	0.0830	0.0256	2.04	---	---	---	---	---	---	---	---	7
8	17.7	0.0908	0.0312	1.46	---	---	---	---	---	---	---	---	8
9	1.46	0.0621	0.0547	0.857	---	---	---	---	---	---	---	---	9
10	0.459	0.0585	0.736*	0.491	---	---	---	---	---	---	---	---	10
11	0.191	0.0675	6.99*	0.421	---	---	---	---	---	---	---	---	11
12	2.08	0.0729	2.24*	0.571	---	---	---	---	---	---	---	---	12
13	0.379	0.0738	0.619	1.16	---	---	---	---	---	---	---	---	13
14	0.209	1.05	2.13	1.27	---	---	---	---	---	---	---	---	14
15	0.109	0.250	3.10	1.88	---	---	---	---	---	---	---	---	15
16	0.0774	0.0845	0.500	1.10	---	---	---	---	---	---	---	---	16
17	0.0697	0.0569*	0.276	0.707	---	---	---	---	---	---	---	---	17
18	0.150	0.0431	7.96	0.857	---	---	---	---	---	---	---	---	18
19	0.141	0.0520	4.16	0.575	---	---	---	---	---	---	---	---	19
20	0.0652	0.0496	1.06	0.433	---	---	---	---	---	---	---	---	20
21	0.0390	0.0585	0.535	0.353	---	---	---	---	---	---	---	---	21
22	0.0471	0.0423	0.433	0.312	---	---	---	---	---	---	---	---	22
23	0.215	0.0390	4.08*	0.282	---	---	---	---	---	---	---	---	23
24	0.296	0.0291	4.89*	0.275	---	---	---	---	---	---	---	---	24
25	0.150	0.0390	6.37*	0.280	---	---	---	---	---	---	---	---	25
26	7.88	0.0488	2.29*	0.251	---	---	---	---	---	---	---	---	26
27	0.552	0.0369	2.02	0.244	---	---	---	---	---	---	---	---	27
28	1.59	0.0390	4.58*	0.227*	---	---	---	---	---	---	---	---	28
29	2.36		8.54*	0.214	---	---	---	---	---	---	---	---	29
30	3.90		3.04*	0.198*	---	---	---	---	---	---	---	---	30
31	1.53		1.75		---		---	---		---		---	31
TOTAL	42.3	5.14	68.6	36.5	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.37	0.183	2.21	1.22	---	---	---	---	---	---	---	---	MEAN
ST.D.	3.42	0.309	2.56	1.47	---	---	---	---	---	---	---	---	ST.D.
MAX	17.7	1.36	8.54	6.95	---	---	---	---	---	---	---	---	MAX
MIN	0.0338	0.0291	0.0221	0.198	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 152

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.6080 B1= 1.4077 A2= 0.0000 B2= 0.0000 R^2= 0.7481 N= 37.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0969	0.509	0.0164	0.495	---	---	---	---	---	---	---	---	1
2	0.0762	0.200	0.0133	0.399	---	---	---	---	---	---	---	---	2
3	0.0442	0.125	0.0155	1.22	---	---	---	---	---	---	---	---	3
4	0.0153	0.0926	0.0176	2.40	---	---	---	---	---	---	---	---	4
5	0.0176	0.0766	0.0133	1.28	---	---	---	---	---	---	---	---	5
6	0.0164	0.0553	0.0103	1.32	---	---	---	---	---	---	---	---	6
7	0.0160	0.0361	0.0118	0.750	---	---	---	---	---	---	---	---	7
8	5.69	0.0393	0.0143	0.547	---	---	---	---	---	---	---	---	8
9	0.544	0.0274	0.0239	0.330	---	---	---	---	---	---	---	---	9
10	0.182	0.0259	0.273*	0.194	---	---	---	---	---	---	---	---	10
11	0.0796	0.0296	2.31*	0.168	---	---	---	---	---	---	---	---	11
12	0.746	0.0319	0.815*	0.224	---	---	---	---	---	---	---	---	12
13	0.151	0.0323	0.241	0.439	---	---	---	---	---	---	---	---	13
14	0.0866	0.380	0.761	0.480	---	---	---	---	---	---	---	---	14
15	0.0465	0.102	1.11	0.695	---	---	---	---	---	---	---	---	15
16	0.0337	0.0366	0.197	0.417	---	---	---	---	---	---	---	---	16
17	0.0305	0.0252*	0.113	0.275	---	---	---	---	---	---	---	---	17
18	0.0618	0.0194	2.68	0.330	---	---	---	---	---	---	---	---	18
19	0.0594	0.0231	1.45	0.226	---	---	---	---	---	---	---	---	19
20	0.0286	0.0221	0.403	0.173	---	---	---	---	---	---	---	---	20
21	0.0176	0.0259	0.211	0.142	---	---	---	---	---	---	---	---	21
22	0.0211	0.0190	0.172	0.126	---	---	---	---	---	---	---	---	22
23	0.0869	0.0176	1.39*	0.115	---	---	---	---	---	---	---	---	23
24	0.119	0.0133	1.69*	0.112	---	---	---	---	---	---	---	---	24
25	0.0631	0.0176	2.19*	0.114	---	---	---	---	---	---	---	---	25
26	2.63	0.0218	0.834*	0.103	---	---	---	---	---	---	---	---	26
27	0.216	0.0167	0.743	0.100	---	---	---	---	---	---	---	---	27
28	0.572	0.0176	1.60*	0.0934*	---	---	---	---	---	---	---	---	28
29	0.839		2.90*	0.0884	---	---	---	---	---	---	---	---	29
30	1.38		1.09	0.0822*	---	---	---	---	---	---	---	---	30
31	0.566		0.648		---		---	---		---		---	31
TOTAL	14.5	2.04	24.0	13.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.469	0.0728	0.773	0.448	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.11	0.114	0.865	0.510	---	---	---	---	---	---	---	---	ST.D.
MAX	5.69	0.509	2.90	2.40	---	---	---	---	---	---	---	---	MAX
MIN	0.0153	0.0133	0.0103	0.0822	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 54.0

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.4743 B1= 1.3342 A2= 0.0000 B2= 0.0000 R^2= 0.6862 N= 36.

/charge/4100./data/loads/we.flow89b.out Wed Feb 17 10:57:36 1993

TOTAL DAILY DISCHARGE FOR 1989 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.756	0.810	0.259	0.173	0.0864	0	---	---	1
2	---	---	---	---	0.778	1.26	0.259	0.173	0.0864	0	---	---	2
3	---	---	---	---	0.778	1.05	0.259	0.173	0.0864	0	---	---	3
4	---	---	---	---	0.716	0.817	0.259	0.173	0.0864	0	---	---	4
5	---	---	---	---	0.756	0.652	0.288	0.173	0.0864	0	---	---	5
6	---	---	---	---	0.749	0.526	0.346	0.173	0.0864	0	---	---	6
7	---	---	---	---	0.760	0.486	0.288	0.115	0.0864	0	---	---	7
8	---	---	---	---	0.698	0.432	0.346	0.0864	0.0864	0	---	---	8
9	---	---	---	---	0.702	0.619	0.328	0.0864	0.0864	0	---	---	9
10	---	---	---	---	0.648	0.727	0.259	0.0864	0.0864	0.0216	---	---	10
11	---	---	---	---	0.641	0.464	0.328	0.0864	0.0864	0	---	---	11
12	---	---	---	---	0.684	0.432	0.281	0.0864	0.0864	0	---	---	12
13	---	---	---	---	0.774	0.436	0.259	0.0864	0.0864	0	---	---	13
14	---	---	---	---	0.817	0.425	0.259	0.0864	0.0864	0	---	---	14
15	---	---	---	---	0.742	0.432	0.259	0.122	0.0864	0	---	---	15
16	---	---	---	---	0.666	0.400	0.259	0.119	0.0864	0	---	---	16
17	---	---	---	---	0.619	0.414	0.212	0.0864	0.0864	0	---	---	17
18	---	---	---	---	0.605	0.428	0.173	0.0864	0.0864	0	---	---	18
19	---	---	---	---	0.551	0.374	0.223	0.0864	0.0864	0	---	---	19
20	---	---	---	---	0.554	0.392	0.216	0.0864	0.0864	0	---	---	20
21	---	---	---	---	0.529	0.374	0.173	0.0864	0	0	---	---	21
22	---	---	---	---	0.518	2.31	0.173	0.0864	0.0504	0	---	---	22
23	---	---	---	---	0.518	0.893	0.173	0.0864	0.0252	0	---	---	23
24	---	---	---	---	0.490	0.659	0.173	0.0864	0.0180	0	---	---	24
25	---	---	---	---	0.475	0.526	0.173	0.0864	0.0036	0	---	---	25
26	---	---	---	---	0.544	0.425	0.173	0.0864	0	0	---	---	26
27	---	---	---	---	0.504	0.346	0.176	0.0864	0	0	---	---	27
28	---	---	---	---	0.425	0.324	0.173	0.0864	0	0	---	---	28
29	---		---	---	0.403	0.259	0.173	0.0864	0	0	---	---	29
30	---		---	---	0.698	0.259	0.173	0.0864	0	0	---	---	30
31	---		---		0.925		0.173	0.0864		0		---	31
TOTAL	---	---	---	---	20.0	17.9	7.26	3.29	1.83	0.0216	---	---	TOTAL
MEAN	---	---	---	---	0.646	0.598	0.234	0.106	0.0608	0.0007	---	---	MEAN
ST.D.	---	---	---	---	0.128	0.398	0.0582	0.0345	0.0380	0.0039	---	---	ST.D.
MAX	---	---	---	---	0.925	2.31	0.346	0.173	0.0864	0.0216	---	---	MAX
MIN	---	---	---	---	0.403	0.259	0.173	0.0864	0	0	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 50.4
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0074	0.0085	0.0010	0.0005	0.0001	0	---	---	1
2	---	---	---	---	0.0078	0.0196	0.0010	0.0005	0.0001	0	---	---	2
3	---	---	---	---	0.0078	0.0139	0.0010	0.0005	0.0001	0	---	---	3
4	---	---	---	---	0.0067	0.0086	0.0010	0.0005	0.0001	0	---	---	4
5	---	---	---	---	0.0074*	0.0056	0.0012	0.0005	0.0001	0	---	---	5
6	---	---	---	---	0.0073	0.0037	0.0017	0.0005	0.0001	0	---	---	6
7	---	---	---	---	0.0075*	0.0032	0.0012	0.0002	0.0001	0	---	---	7
8	---	---	---	---	0.0064	0.0026	0.0017	0.0001	0.0001	0	---	---	8
9	---	---	---	---	0.0065	0.0088	0.0015	0.0001	0.0001	0	---	---	9
10	---	---	---	---	0.0056*	0.0074	0.0010	0.0001	0.0001	0.0000	---	---	10
11	---	---	---	---	0.0054	0.0030	0.0015	0.0001	0.0001	0	---	---	11
12	---	---	---	---	0.0062	0.0026	0.0012*	0.0001	0.0001	0	---	---	12
13	---	---	---	---	0.0077	0.0026	0.0010	0.0001	0.0001	0	---	---	13
14	---	---	---	---	0.0086	0.0025	0.0010	0.0001	0.0001	0	---	---	14
15	---	---	---	---	0.0072	0.0026	0.0010	0.0003	0.0001	0	---	---	15
16	---	---	---	---	0.0058	0.0022	0.0010	0.0002	0.0001	0	---	---	16
17	---	---	---	---	0.0051	0.0024*	0.0007	0.0001	0.0001	0	---	---	17
18	---	---	---	---	0.0049	0.0025*	0.0005	0.0001	0.0001	0	---	---	18
19	---	---	---	---	0.0041*	0.0020	0.0008*	0.0001	0.0001	0	---	---	19
20	---	---	---	---	0.0042*	0.0022	0.0007*	0.0001	0.0001	0	---	---	20
21	---	---	---	---	0.0038	0.0020*	0.0005	0.0001	0	0 *	---	---	21
22	---	---	---	---	0.0036	0.126*	0.0005	0.0001	0.0001	0	---	---	22
23	---	---	---	---	0.0036	0.0102	0.0005	0.0001	0.0000	0	---	---	23
24	---	---	---	---	0.0033	0.0057	0.0005	0.0001	0.0000	0	---	---	24
25	---	---	---	---	0.0031	0.0038	0.0005	0.0001	0	0	---	---	25
26	---	---	---	---	0.0040	0.0025	0.0005	0.0001	0	0	---	---	26
27	---	---	---	---	0.0034	0.0017	0.0005*	0.0001	0	0	---	---	27
28	---	---	---	---	0.0025	0.0015	0.0005*	0.0001	0	0	---	---	28
29	---		---	---	0.0023	0.0010*	0.0005	0.0001	0	0	---	---	29
30	---		---	---	0.0071	0.0010	0.0005	0.0001	0	0	---	---	30
31	---		---		0.0109		0.0005	0.0001		0		---	31
TOTAL	---	---	---	---	0.177	0.262	0.0266	0.0062	0.0026	0.0000	---	---	TOTAL
MEAN	---	---	---	---	0.0057	0.0087	0.0009	0.0002	0.0001	0	---	---	MEAN
ST.D.	---	---	---	---	0.0021	0.0225	0.0004	0.0001	0.0001	0	---	---	ST.D.
MAX	---	---	---	---	0.0109	0.126	0.0017	0.0005	0.0001	0.0000	---	---	MAX
MIN	---	---	---	---	0.0023	0.0010	0.0005	0.0001	0	0	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.474

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 661.8967 B1= 1.8894 A2= 0.0000 B2= 0.0000 R^2= 0.8066 N= 35.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0798	0.0891	0.0150	0.0079	0.0027	0	---	---	1
2	---	---	---	---	0.0833	0.178	0.0150	0.0079	0.0027	0	---	---	2
3	---	---	---	---	0.0833	0.135	0.0150	0.0079	0.0027	0	---	---	3
4	---	---	---	---	0.0734	0.0903	0.0150	0.0079	0.0027	0	---	---	4
5	---	---	---	---	0.0798*	0.0635	0.0178	0.0079	0.0027	0	---	---	5
6	---	---	---	---	0.0787	0.0452	0.0235	0.0079	0.0027	0	---	---	6
7	---	---	---	---	0.0804*	0.0402	0.0178	0.0044	0.0027	0	---	---	7
8	---	---	---	---	0.0705	0.0332	0.0235	0.0027	0.0027	0	---	---	8
9	---	---	---	---	0.0712	0.0776	0.0217	0.0027	0.0027	0	---	---	9
10	---	---	---	---	0.0633*	0.0781	0.0150	0.0027	0.0027	0.0008	---	---	10
11	---	---	---	---	0.0617	0.0374	0.0217	0.0027	0.0027	0	---	---	11
12	---	---	---	---	0.0686	0.0332	0.0171*	0.0027	0.0027	0	---	---	12
13	---	---	---	---	0.0828	0.0339	0.0150	0.0027	0.0027	0	---	---	13
14	---	---	---	---	0.0902	0.0328	0.0150	0.0027	0.0027	0	---	---	14
15	---	---	---	---	0.0775	0.0332	0.0150	0.0050	0.0027	0	---	---	15
16	---	---	---	---	0.0655	0.0296	0.0150	0.0047	0.0027	0	---	---	16
17	---	---	---	---	0.0584	0.0312*	0.0112	0.0027	0.0027	0	---	---	17
18	---	---	---	---	0.0563	0.0328*	0.0079	0.0027	0.0027	0	---	---	18
19	---	---	---	---	0.0487*	0.0267	0.0127*	0.0027	0.0027	0	---	---	19
20	---	---	---	---	0.0493*	0.0288	0.0114*	0.0027	0.0027	0	---	---	20
21	---	---	---	---	0.0458	0.0267*	0.0079	0.0027	0	0.0001*	---	---	21
22	---	---	---	---	0.0443	0.663*	0.0079	0.0027	0.0016	0	---	---	22
23	---	---	---	---	0.0443	0.104	0.0079	0.0027	0.0008	0	---	---	23
24	---	---	---	---	0.0406	0.0644	0.0079	0.0027	0.0006	0	---	---	24
25	---	---	---	---	0.0389	0.0455	0.0079	0.0027	0.0001	0	---	---	25
26	---	---	---	---	0.0478	0.0324	0.0079	0.0027	0	0	---	---	26
27	---	---	---	---	0.0424	0.0235	0.0082*	0.0027	0	0	---	---	27
28	---	---	---	---	0.0324	0.0213	0.0079*	0.0027	0	0	---	---	28
29	---		---	---	0.0300	0.0150*	0.0079	0.0027	0	0	---	---	29
30	---		---	---	0.0748	0.0150	0.0079	0.0027	0	0	---	---	30
31	---		---		0.109		0.0079	0.0027		0		---	31
TOTAL	---	---	---	---	1.97	2.16	0.408	0.121	0.0567	0.0009	---	---	TOTAL
MEAN	---	---	---	---	0.0637	0.0720	0.0132	0.0039	0.0019	0.0000	---	---	MEAN
ST.D.	---	---	---	---	0.0192	0.118	0.0051	0.0021	0.0012	0.0001	---	---	ST.D.
MAX	---	---	---	---	0.109	0.663	0.0235	0.0079	0.0027	0.0008	---	---	MAX
MIN	---	---	---	---	0.0300	0.0150	0.0079	0.0027	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 4.72

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.5226 B1= 1.5634 A2= 0.0000 B2= 0.0000 R^2= 0.7713 N= 35.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0073	0.0078	0.0027	0.0018	0.0009	0	---	---	1
2	---	---	---	---	0.0075	0.0118	0.0027	0.0018	0.0009	0	---	---	2
3	---	---	---	---	0.0075	0.0100	0.0027	0.0018	0.0009	0	---	---	3
4	---	---	---	---	0.0069	0.0079	0.0027	0.0018	0.0009	0	---	---	4
5	---	---	---	---	0.0073*	0.0063	0.0029	0.0018	0.0009	0	---	---	5
6	---	---	---	---	0.0072	0.0052	0.0035	0.0018	0.0009	0	---	---	6
7	---	---	---	---	0.0073*	0.0048	0.0029	0.0012	0.0009	0	---	---	7
8	---	---	---	---	0.0068	0.0043	0.0035	0.0009	0.0009	0	---	---	8
9	---	---	---	---	0.0068	0.0060	0.0033	0.0009	0.0009	0	---	---	9
10	---	---	---	---	0.0063*	0.0070	0.0027	0.0009	0.0009	0.0002	---	---	10
11	---	---	---	---	0.0062	0.0046	0.0033	0.0009	0.0009	0	---	---	11
12	---	---	---	---	0.0066	0.0043	0.0029*	0.0009	0.0009	0	---	---	12
13	---	---	---	---	0.0075	0.0043	0.0027	0.0009	0.0009	0	---	---	13
14	---	---	---	---	0.0079	0.0042	0.0027	0.0009	0.0009	0	---	---	14
15	---	---	---	---	0.0072	0.0043	0.0027	0.0013	0.0009	0	---	---	15
16	---	---	---	---	0.0065	0.0040	0.0027	0.0013	0.0009	0	---	---	16
17	---	---	---	---	0.0060	0.0041*	0.0022	0.0009	0.0009	0	---	---	17
18	---	---	---	---	0.0059	0.0043*	0.0018	0.0009	0.0009	0	---	---	18
19	---	---	---	---	0.0054*	0.0038	0.0023*	0.0009	0.0009	0	---	---	19
20	---	---	---	---	0.0054*	0.0039	0.0022*	0.0009	0.0009	0	---	---	20
21	---	---	---	---	0.0052	0.0038*	0.0018	0.0009	0	0.0001*	---	---	21
22	---	---	---	---	0.0051	0.0205*	0.0018	0.0009	0.0006	0	---	---	22
23	---	---	---	---	0.0051	0.0085	0.0018	0.0009	0.0003	0	---	---	23
24	---	---	---	---	0.0048	0.0064	0.0018	0.0009	0.0002	0	---	---	24
25	---	---	---	---	0.0047	0.0052	0.0018	0.0009	0.0000	0	---	---	25
26	---	---	---	---	0.0053	0.0042	0.0018	0.0009	0	0	---	---	26
27	---	---	---	---	0.0050	0.0035	0.0018*	0.0009	0	0	---	---	27
28	---	---	---	---	0.0042	0.0033	0.0018*	0.0009	0	0	---	---	28
29	---		---	---	0.0040	0.0027*	0.0018	0.0009	0	0	---	---	29
30	---		---	---	0.0067	0.0027	0.0018	0.0009	0	0	---	---	30
31	---		---		0.0088		0.0018	0.0009		0		---	31
TOTAL	---	---	---	---	0.195	0.174	0.0748	0.0355	0.0199	0.0003	---	---	TOTAL
MEAN	---	---	---	---	0.0063	0.0058	0.0024	0.0011	0.0007	0	---	---	MEAN
ST.D.	---	---	---	---	0.0012	0.0035	0.0006	0.0003	0.0004	0.0000	---	---	ST.D.
MAX	---	---	---	---	0.0088	0.0205	0.0035	0.0018	0.0009	0.0002	---	---	MAX
MIN	---	---	---	---	0.0040	0.0027	0.0018	0.0009	0	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.499

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0074 B1= 0.9429 A2= 0.0000 B2= 0.0000 R^2= 0.5663 N= 35.

/charge/4100./data/loads/we.flow89c.out Wed Feb 17 10:57:43 1993

TOTAL DAILY DISCHARGE FOR 1989 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0.0108	0	7
8	---	---	---	---	---	---	---	---	---	---	0	0	8
9	---	---	---	---	---	---	---	---	---	---	0	0	9
10	---	---	---	---	---	---	---	---	---	---	0	0	10
11	---	---	---	---	---	---	---	---	---	---	0	0	11
12	---	---	---	---	---	---	---	---	---	---	0	0	12
13	---	---	---	---	---	---	---	---	---	---	0	0	13
14	---	---	---	---	---	---	---	---	---	---	0	0	14
15	---	---	---	---	---	---	---	---	---	---	1.15	0	15
16	---	---	---	---	---	---	---	---	---	---	1.12	0	16
17	---	---	---	---	---	---	---	---	---	---	0.122	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0576	0	18
19	---	---	---	---	---	---	---	---	---	---	0	0	19
20	---	---	---	---	---	---	---	---	---	---	0.101	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0792	0	21
22	---	---	---	---	---	---	---	---	---	---	0	0	22
23	---	---	---	---	---	---	---	---	---	---	0	0	23
24	---	---	---	---	---	---	---	---	---	---	0	0	24
25	---	---	---	---	---	---	---	---	---	---	0	0	25
26	---	---	---	---	---	---	---	---	---	---	0	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0036	0	27
28	---	---	---	---	---	---	---	---	---	---	0.443	0	28
29	---		---	---	---	---	---	---	---	---	0.0936	0	29
30	---		---	---	---	---	---	---	---	---	0.0576	0	30
31	---		---		---		---	---		---		0.0864	31
TOTAL	---	---	---	---	---	---	---	---	---	---	3.24	0.0864	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.108	0.0028	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.292	0.0155	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	1.15	0.0864	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 3.33
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0.0001*	0	7
8	---	---	---	---	---	---	---	---	---	---	0.0000*	0	8
9	---	---	---	---	---	---	---	---	---	---	0 *	0	9
10	---	---	---	---	---	---	---	---	---	---	0	0	10
11	---	---	---	---	---	---	---	---	---	---	0	0 *	11
12	---	---	---	---	---	---	---	---	---	---	0	0	12
13	---	---	---	---	---	---	---	---	---	---	0	0 *	13
14	---	---	---	---	---	---	---	---	---	---	0	0	14
15	---	---	---	---	---	---	---	---	---	---	0.771*	0	15
16	---	---	---	---	---	---	---	---	---	---	0.262*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.0015	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0004	0	18
19	---	---	---	---	---	---	---	---	---	---	0	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0013*	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0005	0	21
22	---	---	---	---	---	---	---	---	---	---	0	0	22
23	---	---	---	---	---	---	---	---	---	---	0	0	23
24	---	---	---	---	---	---	---	---	---	---	0	0	24
25	---	---	---	---	---	---	---	---	---	---	0	0	25
26	---	---	---	---	---	---	---	---	---	---	0	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0000*	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0358*	0	28
29	---		---	---	---	---	---	---	---	---	0.0007	0	29
30	---		---	---	---	---	---	---	---	---	0.0004	0	30
31	---		---		---		---	---		---		0.0005	31
TOTAL	---	---	---	---	---	---	---	---	---	---	1.07	0.0005	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0358	0.0000	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.147	0.0001	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.771	0.0005	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 1.07

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 47244.4336 B1= 2.2965 A2= 0.0000 B2= 0.0000 R^2= 0.9535 N= 29.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0.0010*	0	7
8	---	---	---	---	---	---	---	---	---	---	0.0003*	0	8
9	---	---	---	---	---	---	---	---	---	---	0.0001*	0	9
10	---	---	---	---	---	---	---	---	---	---	0	0	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0001*	11
12	---	---	---	---	---	---	---	---	---	---	0	0	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0001*	13
14	---	---	---	---	---	---	---	---	---	---	0	0	14
15	---	---	---	---	---	---	---	---	---	---	4.12*	0	15
16	---	---	---	---	---	---	---	---	---	---	1.66*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.0153	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0040	0	18
19	---	---	---	---	---	---	---	---	---	---	0	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0126*	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0055	0	21
22	---	---	---	---	---	---	---	---	---	---	0	0	22
23	---	---	---	---	---	---	---	---	---	---	0	0	23
24	---	---	---	---	---	---	---	---	---	---	0	0	24
25	---	---	---	---	---	---	---	---	---	---	0	0	25
26	---	---	---	---	---	---	---	---	---	---	0	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0002*	0	27
28	---	---	---	---	---	---	---	---	---	---	0.264*	0	28
29	---		---	---	---	---	---	---	---	---	0.0076	0	29
30	---		---	---	---	---	---	---	---	---	0.0040	0	30
31	---		---		---		---	---		---		0.0060	31
TOTAL	---	---	---	---	---	---	---	---	---	---	6.10	0.0061	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.203	0.0002	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.800	0.0011	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	4.12	0.0060	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 6.10

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 133.3485 B1= 2.0951 A2= 0.0000 B2= 0.0000 R^2= 0.9475 N= 29.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0	0	1
2	---	---	---	---	---	---	---	---	---	---	0	0	2
3	---	---	---	---	---	---	---	---	---	---	0	0	3
4	---	---	---	---	---	---	---	---	---	---	0	0	4
5	---	---	---	---	---	---	---	---	---	---	0	0	5
6	---	---	---	---	---	---	---	---	---	---	0	0	6
7	---	---	---	---	---	---	---	---	---	---	0.0003*	0	7
8	---	---	---	---	---	---	---	---	---	---	0.0001*	0	8
9	---	---	---	---	---	---	---	---	---	---	0.0000*	0	9
10	---	---	---	---	---	---	---	---	---	---	0	0	10
11	---	---	---	---	---	---	---	---	---	---	0	0.0000*	11
12	---	---	---	---	---	---	---	---	---	---	0	0	12
13	---	---	---	---	---	---	---	---	---	---	0	0.0000*	13
14	---	---	---	---	---	---	---	---	---	---	0	0	14
15	---	---	---	---	---	---	---	---	---	---	0.797*	0	15
16	---	---	---	---	---	---	---	---	---	---	0.342*	0	16
17	---	---	---	---	---	---	---	---	---	---	0.0037	0	17
18	---	---	---	---	---	---	---	---	---	---	0.0010	0	18
19	---	---	---	---	---	---	---	---	---	---	0	0	19
20	---	---	---	---	---	---	---	---	---	---	0.0031*	0	20
21	---	---	---	---	---	---	---	---	---	---	0.0014	0	21
22	---	---	---	---	---	---	---	---	---	---	0	0	22
23	---	---	---	---	---	---	---	---	---	---	0	0	23
24	---	---	---	---	---	---	---	---	---	---	0	0	24
25	---	---	---	---	---	---	---	---	---	---	0	0	25
26	---	---	---	---	---	---	---	---	---	---	0	0	26
27	---	---	---	---	---	---	---	---	---	---	0.0001*	0	27
28	---	---	---	---	---	---	---	---	---	---	0.0573*	0	28
29	---		---	---	---	---	---	---	---	---	0.0019	0	29
30	---		---	---	---	---	---	---	---	---	0.0010	0	30
31	---		---		---		---	---		---		0.0015	31
TOTAL	---	---	---	---	---	---	---	---	---	---	1.21	0.0015	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0403	0.0000	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.156	0.0003	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.797	0.0015	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0	0	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 1.21

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 20.5299 B1= 2.0235 A2= 0.0000 B2= 0.0000 R^2= 0.8965 N= 29.

TOTAL DAILY DISCHARGE FOR 1990 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.31	4.54	1.23	2.59	---	---	---	---	---	---	---	---	1
2	1.48	2.55	3.09	3.15	---	---	---	---	---	---	---	---	2
3	0.932	1.26	2.12	3.34	---	---	---	---	---	---	---	---	3
4	5.42	0.847	1.25	3.10	---	---	---	---	---	---	---	---	4
5	3.50	0.596	0.979	2.08	---	---	---	---	---	---	---	---	5
6	1.41	0.553	0.742	1.50	---	---	---	---	---	---	---	---	6
7	0.565	0.583	0.644	1.30	---	---	---	---	---	---	---	---	7
8	0.234	9.75	1.15	1.21	---	---	---	---	---	---	---	---	8
9	0.158	21.4	6.78	1.14	---	---	---	---	---	---	---	---	9
10	0.173	9.82	14.7	1.74	---	---	---	---	---	---	---	---	10
11	0.0778	3.93	25.4	3.86	---	---	---	---	---	---	---	---	11
12	0.0605	2.25	23.9	2.53	---	---	---	---	---	---	---	---	12
13	0.0864	2.71	21.8	1.79	---	---	---	---	---	---	---	---	13
14	0.0864	1.92	17.7	1.90	---	---	---	---	---	---	---	---	14
15	0.0864	1.54	13.2	2.53	---	---	---	---	---	---	---	---	15
16	0.0864	1.30	10.9	2.71	---	---	---	---	---	---	---	---	16
17	19.5	0.875	8.41	2.38	---	---	---	---	---	---	---	---	17
18	23.8	0.900	5.12	1.90	---	---	---	---	---	---	---	---	18
19	5.82	0.792	3.50	1.58	---	---	---	---	---	---	---	---	19
20	2.66	0.515	2.95	1.61	---	---	---	---	---	---	---	---	20
21	1.58	0.569	3.07	2.41	---	---	---	---	---	---	---	---	21
22	1.12	23.0	4.98	2.08	---	---	---	---	---	---	---	---	22
23	0.760	29.1	8.97	1.71	---	---	---	---	---	---	---	---	23
24	4.14	15.8	4.00	1.41	---	---	---	---	---	---	---	---	24
25	6.52	6.39	2.68	1.35	---	---	---	---	---	---	---	---	25
26	3.65	3.18	1.96	1.24	---	---	---	---	---	---	---	---	26
27	4.36	2.07	1.47	1.14	---	---	---	---	---	---	---	---	27
28	4.81	1.33	1.33	1.12	---	---	---	---	---	---	---	---	28
29	2.16		1.26	1.04	---	---	---	---	---	---	---	---	29
30	1.30		1.63	0.965	---	---	---	---	---	---	---	---	30
31	0.842		2.24		---		---	---		---		---	31
TOTAL	100	150	199	58.4	---	---	---	---	---	---	---	---	TOTAL
MEAN	3.25	5.36	6.42	1.95	---	---	---	---	---	---	---	---	MEAN
ST.D.	5.30	7.69	7.24	0.764	---	---	---	---	---	---	---	---	ST.D.
MAX	23.8	29.1	25.4	3.86	---	---	---	---	---	---	---	---	MAX
MIN	0.0605	0.515	0.644	0.965	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 508
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0428	0.133	0.0073	0.0273	---	---	---	---	---	---	---	---	1
2	0.0104	0.0295	0.0529	0.0388	---	---	---	---	---	---	---	---	2
3	0.0045	0.0076	0.0205	0.0429	---	---	---	---	---	---	---	---	3
4	0.166	0.0038	0.0076	0.0376	---	---	---	---	---	---	---	---	4
5	0.0478	0.0020	0.0049	0.0187	---	---	---	---	---	---	---	---	5
6	0.0098	0.0018	0.0030	0.0105	---	---	---	---	---	---	---	---	6
7	0.0019	0.0020	0.0023	0.0081	---	---	---	---	---	---	---	---	7
8	0.0004	0.531	0.0080	0.0071	---	---	---	---	---	---	---	---	8
9	0.0002	1.21*	0.217*	0.0064	---	---	---	---	---	---	---	---	9
10	0.0002	0.314	0.687*	0.0156	---	---	---	---	---	---	---	---	10
11	0.0001	0.0585	1.83*	0.0555	---	---	---	---	---	---	---	---	11
12	0.0000	0.0217*	1.44*	0.0267	---	---	---	---	---	---	---	---	12
13	0.0001	0.0312	1.19	0.0142	---	---	---	---	---	---	---	---	13
14	0.0001	0.0164	0.822	0.0158	---	---	---	---	---	---	---	---	14
15	0.0001*	0.0108	0.492	0.0265	---	---	---	---	---	---	---	---	15
16	0.0001	0.0080	0.347	0.0298	---	---	---	---	---	---	---	---	16
17	1.65*	0.0041	0.223	0.0235	---	---	---	---	---	---	---	---	17
18	1.60*	0.0042	0.0926	0.0159	---	---	---	---	---	---	---	---	18
19	0.122	0.0035	0.0469	0.0114	---	---	---	---	---	---	---	---	19
20	0.0293	0.0016	0.0345	0.0118*	---	---	---	---	---	---	---	---	20
21	0.0116	0.0019	0.0370	0.0241*	---	---	---	---	---	---	---	---	21
22	0.0063	2.14*	0.0979	0.0186	---	---	---	---	---	---	---	---	22
23	0.0031	2.02*	0.259	0.0131	---	---	---	---	---	---	---	---	23
24	0.0846	0.690	0.0602	0.0093	---	---	---	---	---	---	---	---	24
25	0.200	0.142	0.0295	0.0086	---	---	---	---	---	---	---	---	25
26	0.0561	0.0398	0.0168	0.0074	---	---	---	---	---	---	---	---	26
27	0.0999	0.0187	0.0101	0.0064	---	---	---	---	---	---	---	---	27
28	0.0937	0.0084	0.0084	0.0062	---	---	---	---	---	---	---	---	28
29	0.0201		0.0076	0.0054	---	---	---	---	---	---	---	---	29
30	0.0082		0.0124	0.0048	---	---	---	---	---	---	---	---	30
31	0.0038		0.0211		---		---	---		---		---	31
TOTAL	4.27	7.46	8.09	0.548	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.138	0.266	0.261	0.0183	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.400	0.579	0.463	0.0127	---	---	---	---	---	---	---	---	ST.D.
MAX	1.65	2.14	1.83	0.0555	---	---	---	---	---	---	---	---	MAX
MIN	0.0000	0.0016	0.0023	0.0048	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 20.4

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 157.9097 B1= 1.7716 A2= 0.0000 B2= 0.0000 R^2= 0.7975 N= 37.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.24	2.74	0.287	0.857	---	---	---	---	---	---	---	---	1
2	0.381	0.883	1.34	1.15	---	---	---	---	---	---	---	---	2
3	0.192	0.296	0.662	1.25	---	---	---	---	---	---	---	---	3
4	3.35	0.165	0.295	1.12	---	---	---	---	---	---	---	---	4
5	1.35	0.0987	0.205	0.624	---	---	---	---	---	---	---	---	5
6	0.358	0.0883	0.136	0.387	---	---	---	---	---	---	---	---	6
7	0.0939	0.0957	0.111	0.312	---	---	---	---	---	---	---	---	7
8	0.0253	8.67	0.289	0.280	---	---	---	---	---	---	---	---	8
9	0.0142	19.7*	4.33*	0.257	---	---	---	---	---	---	---	---	9
10	0.0159	6.35	12.0*	0.512	---	---	---	---	---	---	---	---	10
11	0.0049	1.60	26.9*	1.54	---	---	---	---	---	---	---	---	11
12	0.0034	0.704*	22.9*	0.838	---	---	---	---	---	---	---	---	12
13	0.0057	0.942	19.8	0.499	---	---	---	---	---	---	---	---	13
14	0.0057	0.558	14.5	0.543	---	---	---	---	---	---	---	---	14
15	0.0057*	0.398	9.45	0.833	---	---	---	---	---	---	---	---	15
16	0.0057	0.310	7.09	0.920	---	---	---	---	---	---	---	---	16
17	22.8*	0.175	4.89	0.756	---	---	---	---	---	---	---	---	17
18	24.1*	0.182	2.35	0.546	---	---	---	---	---	---	---	---	18
19	2.91	0.152	1.34	0.415	---	---	---	---	---	---	---	---	19
20	0.902	0.0795	1.04	0.425*	---	---	---	---	---	---	---	---	20
21	0.418	0.0926	1.10	0.771*	---	---	---	---	---	---	---	---	21
22	0.251	28.6*	2.38	0.623	---	---	---	---	---	---	---	---	22
23	0.141	30.4*	5.47	0.465	---	---	---	---	---	---	---	---	23
24	2.01	12.4	1.64	0.350	---	---	---	---	---	---	---	---	24
25	4.03	3.32	0.909	0.328	---	---	---	---	---	---	---	---	25
26	1.50	1.17	0.572	0.290	---	---	---	---	---	---	---	---	26
27	2.25	0.622	0.374	0.258	---	---	---	---	---	---	---	---	27
28	2.28	0.321	0.321	0.251	---	---	---	---	---	---	---	---	28
29	0.662		0.297	0.223	---	---	---	---	---	---	---	---	29
30	0.314		0.441	0.201	---	---	---	---	---	---	---	---	30
31	0.166		0.692		---		---	---		---		---	31
TOTAL	71.8	121	143	17.8	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.32	4.33	4.64	0.594	---	---	---	---	---	---	---	---	MEAN
ST.D.	5.75	8.40	7.20	0.344	---	---	---	---	---	---	---	---	ST.D.
MAX	24.1	30.4	26.9	1.54	---	---	---	---	---	---	---	---	MAX
MIN	0.0034	0.0795	0.111	0.201	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 354

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.7334 B1= 1.4720 A2= 0.0000 B2= 0.0000 R^2= 0.8596 N= 37.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.526	1.19	0.119	0.361	---	---	---	---	---	---	---	---	1
2	0.159	0.373	0.574	0.486	---	---	---	---	---	---	---	---	2
3	0.0790	0.123	0.278	0.528	---	---	---	---	---	---	---	---	3
4	1.46	0.0679	0.122	0.473	---	---	---	---	---	---	---	---	4
5	0.575	0.0402	0.0845	0.262	---	---	---	---	---	---	---	---	5
6	0.149	0.0359	0.0559	0.161	---	---	---	---	---	---	---	---	6
7	0.0383	0.0389	0.0452	0.129	---	---	---	---	---	---	---	---	7
8	0.0101	3.85	0.120	0.116	---	---	---	---	---	---	---	---	8
9	0.0056	8.75*	1.89*	0.106	---	---	---	---	---	---	---	---	9
10	0.0063	2.77	5.28*	0.215	---	---	---	---	---	---	---	---	10
11	0.0019	0.683	12.0*	0.657	---	---	---	---	---	---	---	---	11
12	0.0013	0.296*	10.2*	0.353	---	---	---	---	---	---	---	---	12
13	0.0022	0.398	8.76	0.209	---	---	---	---	---	---	---	---	13
14	0.0022	0.234	6.39	0.227	---	---	---	---	---	---	---	---	14
15	0.0022*	0.166	4.14	0.351	---	---	---	---	---	---	---	---	15
16	0.0022	0.128	3.09	0.388	---	---	---	---	---	---	---	---	16
17	10.2*	0.0720	2.12	0.318	---	---	---	---	---	---	---	---	17
18	10.8*	0.0748	1.01	0.228	---	---	---	---	---	---	---	---	18
19	1.25	0.0625	0.569	0.173	---	---	---	---	---	---	---	---	19
20	0.381	0.0323	0.440	0.177*	---	---	---	---	---	---	---	---	20
21	0.174	0.0377	0.467	0.324*	---	---	---	---	---	---	---	---	21
22	0.104	12.9*	1.02	0.261	---	---	---	---	---	---	---	---	22
23	0.0579	13.6*	2.38	0.194	---	---	---	---	---	---	---	---	23
24	0.867	5.47	0.700	0.145	---	---	---	---	---	---	---	---	24
25	1.76	1.43	0.384	0.136	---	---	---	---	---	---	---	---	25
26	0.641	0.495	0.239	0.120	---	---	---	---	---	---	---	---	26
27	0.974	0.261	0.156	0.107	---	---	---	---	---	---	---	---	27
28	0.981	0.133	0.133	0.104	---	---	---	---	---	---	---	---	28
29	0.278		0.123	0.0919	---	---	---	---	---	---	---	---	29
30	0.130		0.184	0.0826	---	---	---	---	---	---	---	---	30
31	0.0680		0.291		---		---	---		---			31
TOTAL	31.7	53.7	63.4	7.48	---	---	---	---	---	---	---	---	TOTAL
MEAN	1.02	1.92	2.04	0.249	---	---	---	---	---	---	---	---	MEAN
ST.D.	2.58	3.76	3.21	0.147	---	---	---	---	---	---	---	---	ST.D.
MAX	10.8	13.6	12.0	0.657	---	---	---	---	---	---	---	---	MAX
MIN	0.0013	0.0323	0.0452	0.0826	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 156

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.7940 B1= 1.4957 A2= 0.0000 B2= 0.0000 R^2= 0.8531 N= 37.

TOTAL DAILY DISCHARGE FOR 1990 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.918	0.691	0.432	0.346	0.259	0.259	---	---	1
2	---	---	---	---	0.842	0.698	0.432	0.328	0.202	0.227	---	---	2
3	---	---	---	---	0.828	0.778	0.432	0.324	0.173	0.184	---	---	3
4	---	---	---	---	0.817	0.731	0.428	0.324	0.173	1.49	---	---	4
5	---	---	---	---	0.882	0.644	0.432	0.320	0.198	1.13	---	---	5
6	---	---	---	---	0.814	0.659	0.367	0.263	0.238	0.670	---	---	6
7	---	---	---	---	0.799	0.601	0.346	0.259	0.209	0.385	---	---	7
8	---	---	---	---	0.720	0.612	2.15	0.259	0.184	0.472	---	---	8
9	---	---	---	---	0.662	0.598	8.14	0.259	0.173	5.04	---	---	9
10	---	---	---	---	0.691	0.518	1.31	0.259	0.173	5.44	---	---	10
11	---	---	---	---	0.598	0.500	0.760	0.259	0.173	5.77	---	---	11
12	---	---	---	---	0.594	0.522	0.515	0.266	0.173	4.19	---	---	12
13	---	---	---	---	0.947	0.522	0.432	0.288	0.173	4.72	---	---	13
14	---	---	---	---	1.00	0.518	0.454	0.259	0.320	2.41	---	---	14
15	---	---	---	---	0.983	0.522	0.490	0.259	0.583	1.45	---	---	15
16	---	---	---	---	1.78	0.518	0.432	0.259	0.328	1.06	---	---	16
17	---	---	---	---	8.25	0.518	0.432	0.259	0.259	1.26	---	---	17
18	---	---	---	---	7.80	0.497	0.785	0.259	0.220	7.97	---	---	18
19	---	---	---	---	4.03	0.468	0.734	0.382	0.259	4.51	---	---	19
20	---	---	---	---	4.17	0.443	0.878	0.295	0.259	2.71	---	---	20
21	---	---	---	---	5.53	0.432	0.738	0.259	0.227	1.84	---	---	21
22	---	---	---	---	3.24	0.432	0.580	0.259	0.259	1.41	---	---	22
23	---	---	---	---	2.03	0.490	0.676	0.259	0.259	1.25	---	---	23
24	---	---	---	---	1.51	0.454	0.522	0.259	0.259	1.11	---	---	24
25	---	---	---	---	1.39	0.432	0.382	0.259	0.259	0.925	---	---	25
26	---	---	---	---	1.28	0.432	0.371	0.259	0.216	0.824	---	---	26
27	---	---	---	---	1.13	0.432	0.346	0.266	0.173	0.781	---	---	27
28	---	---	---	---	0.994	0.432	0.346	0.284	0.173	0.752	---	---	28
29	---		---	---	0.914	0.432	0.346	0.284	0.173	0.562	---	---	29
30	---		---	---	0.817	0.432	0.410	0.259	0.216	0.526	---	---	30
31	---		---		0.720		0.364	0.256		0.518		---	31
TOTAL	---	---	---	---	57.7	16.0	25.5	8.63	6.94	61.8	---	---	TOTAL
MEAN	---	---	---	---	1.86	0.532	0.821	0.278	0.231	2.00	---	---	MEAN
ST.D.	---	---	---	---	2.03	0.102	1.40	0.0323	0.0803	2.02	---	---	ST.D.
MAX	---	---	---	---	8.25	0.778	8.14	0.382	0.583	7.97	---	---	MAX
MIN	---	---	---	---	0.594	0.432	0.346	0.256	0.173	0.184	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 176
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0076	0.0050	0.0025	0.0018	0.0012	0.0012	---	---	1
2	---	---	---	---	0.0067	0.0051	0.0025	0.0017	0.0008	0.0010	---	---	2
3	---	---	---	---	0.0065	0.0060	0.0025	0.0017	0.0007	0.0007*	---	---	3
4	---	---	---	---	0.0064*	0.0055	0.0025	0.0017	0.0007	0.0174*	---	---	4
5	---	---	---	---	0.0072*	0.0045	0.0025	0.0016	0.0008	0.0104*	---	---	5
6	---	---	---	---	0.0064	0.0047	0.0020	0.0012	0.0011*	0.0049	---	---	6
7	---	---	---	---	0.0062	0.0041	0.0018	0.0012	0.0009	0.0021	---	---	7
8	---	---	---	---	0.0053	0.0042	0.0766	0.0012	0.0007	0.0029	---	---	8
9	---	---	---	---	0.0047	0.0041	0.231*	0.0012	0.0007	0.102*	---	---	9
10	---	---	---	---	0.0050	0.0033	0.0131*	0.0012	0.0007	0.105*	---	---	10
11	---	---	---	---	0.0041	0.0031	0.0058*	0.0012	0.0007	0.116*	---	---	11
12	---	---	---	---	0.0040	0.0033	0.0033	0.0012*	0.0007	0.0740*	---	---	12
13	---	---	---	---	0.0081*	0.0033	0.0025	0.0014*	0.0007	0.0866	---	---	13
14	---	---	---	---	0.0087*	0.0033	0.0027	0.0012	0.0019*	0.0317	---	---	14
15	---	---	---	---	0.0084	0.0033	0.0030	0.0012	0.0041*	0.0151	---	---	15
16	---	---	---	---	0.0213*	0.0033	0.0025	0.0012	0.0017	0.0094	---	---	16
17	---	---	---	---	0.210*	0.0033	0.0025	0.0012	0.0012	0.0122	---	---	17
18	---	---	---	---	0.181*	0.0031	0.0072	0.0012	0.0009	0.202*	---	---	18
19	---	---	---	---	0.0675*	0.0028*	0.0055	0.0021	0.0012	0.0803*	---	---	19
20	---	---	---	---	0.0723*	0.0026	0.0072	0.0014	0.0012	0.0375	---	---	20
21	---	---	---	---	0.107*	0.0025*	0.0055	0.0012	0.0010	0.0213*	---	---	21
22	---	---	---	---	0.0492	0.0025*	0.0039	0.0012	0.0012	0.0144	---	---	22
23	---	---	---	---	0.0245	0.0030*	0.0049	0.0012	0.0012	0.0119	---	---	23
24	---	---	---	---	0.0158	0.0027*	0.0033	0.0012	0.0012	0.0100	---	---	24
25	---	---	---	---	0.0140	0.0025	0.0021	0.0012	0.0012	0.0077	---	---	25
26	---	---	---	---	0.0124	0.0025	0.0020	0.0012	0.0009	0.0065	---	---	26
27	---	---	---	---	0.0104	0.0025	0.0018	0.0012	0.0007	0.0060	---	---	27
28	---	---	---	---	0.0086*	0.0025	0.0018	0.0014	0.0007	0.0057	---	---	28
29	---		---	---	0.0076	0.0025	0.0018	0.0014	0.0007	0.0037	---	---	29
30	---		---	---	0.0064*	0.0025	0.0024*	0.0012	0.0009	0.0034	---	---	30
31	---		---		0.0053		0.0020	0.0012		0.0033		---	31
TOTAL	---	---	---	---	0.909	0.104	0.411	0.0411	0.0317	1.01	---	---	TOTAL
MEAN	---	---	---	---	0.0293	0.0035	0.0133	0.0013	0.0011	0.0325	---	---	MEAN
ST.D.	---	---	---	---	0.0505	0.0010	0.0426	0.0002	0.0007	0.0472	---	---	ST.D.
MAX	---	---	---	---	0.210	0.0060	0.231	0.0021	0.0041	0.202	---	---	MAX
MIN	---	---	---	---	0.0040	0.0025	0.0018	0.0012	0.0007	0.0007	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 2.50

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 70.4896 B1= 1.4709 A2= 0.0000 B2= 0.0000 R^2= 0.7345 N= 75.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0500	0.0311	0.0141	0.0097	0.0060	0.0060	---	---	1
2	---	---	---	---	0.0433	0.0316	0.0141	0.0090	0.0040	0.0049	---	---	2
3	---	---	---	---	0.0421	0.0378	0.0141	0.0088	0.0030	0.0034*	---	---	3
4	---	---	---	---	0.0412*	0.0342	0.0140	0.0088	0.0030	0.134*	---	---	4
5	---	---	---	---	0.0468*	0.0277	0.0141	0.0086	0.0039	0.0716*	---	---	5
6	---	---	---	---	0.0409	0.0287	0.0108	0.0062	0.0053*	0.0302	---	---	6
7	---	---	---	---	0.0397	0.0246	0.0097	0.0060	0.0043	0.0118	---	---	7
8	---	---	---	---	0.0333	0.0254	1.00	0.0060	0.0034	0.0165	---	---	8
9	---	---	---	---	0.0290	0.0244	2.67*	0.0060	0.0030	0.989*	---	---	9
10	---	---	---	---	0.0311	0.0192	0.0933*	0.0060	0.0030	0.991*	---	---	10
11	---	---	---	---	0.0244	0.0181	0.0369*	0.0060	0.0030	1.12*	---	---	11
12	---	---	---	---	0.0241	0.0194	0.0191	0.0063*	0.0030	0.678*	---	---	12
13	---	---	---	---	0.0538*	0.0194	0.0141	0.0073*	0.0030	0.804	---	---	13
14	---	---	---	---	0.0578*	0.0192	0.0154	0.0060	0.0109*	0.253	---	---	14
15	---	---	---	---	0.0561	0.0194	0.0175	0.0060	0.0254*	0.110	---	---	15
16	---	---	---	---	0.166*	0.0192	0.0141	0.0060	0.0090	0.0634	---	---	16
17	---	---	---	---	2.26*	0.0192	0.0141	0.0060	0.0060	0.0858	---	---	17
18	---	---	---	---	1.86*	0.0179	0.0507	0.0060	0.0047	2.17*	---	---	18
19	---	---	---	---	0.601*	0.0162*	0.0349	0.0120	0.0060	0.735*	---	---	19
20	---	---	---	---	0.655*	0.0148	0.0474	0.0076	0.0060	0.308	---	---	20
21	---	---	---	---	1.02*	0.0141	0.0349	0.0060	0.0049	0.162*	---	---	21
22	---	---	---	---	0.420	0.0141*	0.0232	0.0060	0.0060	0.103	---	---	22
23	---	---	---	---	0.190	0.0175*	0.0300	0.0060	0.0060	0.0833	---	---	23
24	---	---	---	---	0.115	0.0154*	0.0195	0.0060	0.0060	0.0683	---	---	24
25	---	---	---	---	0.0996	0.0141	0.0116	0.0060	0.0060	0.0508	---	---	25
26	---	---	---	---	0.0874	0.0141	0.0110	0.0060	0.0045	0.0418	---	---	26
27	---	---	---	---	0.0712	0.0141	0.0097	0.0063	0.0030	0.0384	---	---	27
28	---	---	---	---	0.0571*	0.0141	0.0097	0.0071	0.0030	0.0361	---	---	28
29	---		---	---	0.0497	0.0141	0.0097	0.0071	0.0030	0.0220	---	---	29
30	---		---	---	0.0414*	0.0141	0.0133*	0.0060	0.0045	0.0197	---	---	30
31	---		---		0.0333		0.0107	0.0059		0.0192		---	31
TOTAL	---	---	---	---	8.33	0.614	4.31	0.213	0.163	9.23	---	---	TOTAL
MEAN	---	---	---	---	0.269	0.0205	0.139	0.0069	0.0054	0.298	---	---	MEAN
ST.D.	---	---	---	---	0.530	0.0068	0.503	0.0015	0.0042	0.486	---	---	ST.D.
MAX	---	---	---	---	2.26	0.0378	2.67	0.0120	0.0254	2.17	---	---	MAX
MIN	---	---	---	---	0.0241	0.0141	0.0097	0.0059	0.0030	0.0034	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 22.9

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.1654 B1= 1.6742 A2= 0.0000 B2= 0.0000 R^2= 0.7690 N= 74.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0203	0.0123	0.0054	0.0036	0.0022	0.0022	---	---	1
2	---	---	---	---	0.0175	0.0125	0.0054	0.0033	0.0014	0.0018	---	---	2
3	---	---	---	---	0.0169	0.0151	0.0054	0.0033	0.0011	0.0012	---	---	3
4	---	---	---	---	0.0166*	0.0136	0.0053	0.0033	0.0011	0.0586*	---	---	4
5	---	---	---	---	0.0189*	0.0109	0.0054	0.0032	0.0014	0.0297*	---	---	5
6	---	---	---	---	0.0164	0.0113	0.0041	0.0022	0.0019*	0.0120	---	---	6
7	---	---	---	---	0.0159	0.0096	0.0036	0.0022	0.0015	0.0044	---	---	7
8	---	---	---	---	0.0132	0.0100	0.555	0.0022	0.0012	0.0063	---	---	8
9	---	---	---	---	0.0114	0.0095	1.40*	0.0022	0.0011	0.477*	---	---	9
10	---	---	---	---	0.0123	0.0074	0.0393*	0.0022	0.0011	0.472*	---	---	10
11	---	---	---	---	0.0095	0.0070	0.0148*	0.0022	0.0011	0.539*	---	---	11
12	---	---	---	---	0.0094	0.0075	0.0074	0.0023*	0.0011	0.319*	---	---	12
13	---	---	---	---	0.0220*	0.0075	0.0054	0.0027*	0.0011	0.380	---	---	13
14	---	---	---	---	0.0237*	0.0074	0.0059	0.0022	0.0042*	0.112	---	---	14
15	---	---	---	---	0.0229	0.0075	0.0067	0.0022	0.0101*	0.0469	---	---	15
16	---	---	---	---	0.0726*	0.0074	0.0054	0.0022	0.0033	0.0261	---	---	16
17	---	---	---	---	1.14*	0.0074	0.0054	0.0022	0.0022	0.0359	---	---	17
18	---	---	---	---	0.917*	0.0069	0.0214	0.0022	0.0017	1.10*	---	---	18
19	---	---	---	---	0.279*	0.0062	0.0139	0.0045	0.0022	0.345*	---	---	19
20	---	---	---	---	0.307*	0.0056	0.0192	0.0028	0.0022	0.138	---	---	20
21	---	---	---	---	0.486*	0.0054*	0.0139	0.0022	0.0018	0.0700*	---	---	21
22	---	---	---	---	0.191	0.0054*	0.0090	0.0022	0.0022	0.0435	---	---	22
23	---	---	---	---	0.0827	0.0067*	0.0118	0.0022	0.0022	0.0348	---	---	23
24	---	---	---	---	0.0488	0.0059*	0.0075	0.0022	0.0022	0.0282	---	---	24
25	---	---	---	---	0.0420	0.0054	0.0044	0.0022	0.0022	0.0206	---	---	25
26	---	---	---	---	0.0366	0.0054	0.0041	0.0022	0.0016	0.0168	---	---	26
27	---	---	---	---	0.0295	0.0054	0.0036	0.0023	0.0011	0.0154	---	---	27
28	---	---	---	---	0.0234*	0.0054	0.0036	0.0026	0.0011	0.0144	---	---	28
29	---		---	---	0.0202	0.0054	0.0036	0.0026	0.0011	0.0086	---	---	29
30	---		---	---	0.0166*	0.0054	0.0051*	0.0022	0.0016	0.0076	---	---	30
31	---		---		0.0132		0.0040	0.0021		0.0074		---	31
TOTAL	---	---	---	---	3.95	0.238	2.20	0.0779	0.0599	4.37	---	---	TOTAL
MEAN	---	---	---	---	0.127	0.0079	0.0710	0.0025	0.0020	0.141	---	---	MEAN
ST.D.	---	---	---	---	0.265	0.0028	0.265	0.0006	0.0017	0.241	---	---	ST.D.
MAX	---	---	---	---	1.14	0.0151	1.40	0.0045	0.0101	1.10	---	---	MAX
MIN	---	---	---	---	0.0094	0.0054	0.0036	0.0021	0.0011	0.0012	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 10.9

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.7090 B1= 1.7632 A2= 0.0000 B2= 0.0000 R^2= 0.7505 N= 72.

TOTAL DAILY DISCHARGE FOR 1990 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.479	2.06	1
2	---	---	---	---	---	---	---	---	---	---	0.486	1.46	2
3	---	---	---	---	---	---	---	---	---	---	0.436	2.15	3
4	---	---	---	---	---	---	---	---	---	---	0.432	4.41	4
5	---	---	---	---	---	---	---	---	---	---	9.99	2.87	5
6	---	---	---	---	---	---	---	---	---	---	19.1	2.38	6
7	---	---	---	---	---	---	---	---	---	---	8.64	1.88	7
8	---	---	---	---	---	---	---	---	---	---	4.36	1.70	8
9	---	---	---	---	---	---	---	---	---	---	3.26	2.03	9
10	---	---	---	---	---	---	---	---	---	---	3.03	3.13	10
11	---	---	---	---	---	---	---	---	---	---	2.55	2.97	11
12	---	---	---	---	---	---	---	---	---	---	1.75	3.25	12
13	---	---	---	---	---	---	---	---	---	---	1.55	5.66	13
14	---	---	---	---	---	---	---	---	---	---	1.57	2.94	14
15	---	---	---	---	---	---	---	---	---	---	1.71	2.58	15
16	---	---	---	---	---	---	---	---	---	---	1.62	1.70	16
17	---	---	---	---	---	---	---	---	---	---	1.26	1.70	17
18	---	---	---	---	---	---	---	---	---	---	1.21	3.89	18
19	---	---	---	---	---	---	---	---	---	---	1.15	3.91	19
20	---	---	---	---	---	---	---	---	---	---	1.00	2.85	20
21	---	---	---	---	---	---	---	---	---	---	0.958	3.03	21
22	---	---	---	---	---	---	---	---	---	---	2.95	7.82	22
23	---	---	---	---	---	---	---	---	---	---	3.37	9.27	23
24	---	---	---	---	---	---	---	---	---	---	2.89	5.84	24
25	---	---	---	---	---	---	---	---	---	---	2.29	3.47	25
26	---	---	---	---	---	---	---	---	---	---	1.72	2.06	26
27	---	---	---	---	---	---	---	---	---	---	3.19	1.67	27
28	---	---	---	---	---	---	---	---	---	---	5.76	1.57	28
29	---		---	---	---	---	---	---	---	---	3.95	29.1	29
30	---		---	---	---	---	---	---	---	---	2.58	36.0	30
31	---		---		---		---	---		---		22.7	31
TOTAL	---	---	---	---	---	---	---	---	---	---	95.2	178	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	3.17	5.75	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	3.73	8.22	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	19.1	36.0	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.432	1.46	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 273
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0158	0.0805	1
2	---	---	---	---	---	---	---	---	---	---	0.0161	0.0548	2
3	---	---	---	---	---	---	---	---	---	---	0.0142	0.0858	3
4	---	---	---	---	---	---	---	---	---	---	0.0141	0.189	4
5	---	---	---	---	---	---	---	---	---	---	0.505*	0.117	5
6	---	---	---	---	---	---	---	---	---	---	0.967*	0.0948	6
7	---	---	---	---	---	---	---	---	---	---	0.401	0.0727	7
8	---	---	---	---	---	---	---	---	---	---	0.186	0.0649	8
9	---	---	---	---	---	---	---	---	---	---	0.135	0.0798	9
10	---	---	---	---	---	---	---	---	---	---	0.124	0.129	10
11	---	---	---	---	---	---	---	---	---	---	0.102	0.121	11
12	---	---	---	---	---	---	---	---	---	---	0.0673	0.135	12
13	---	---	---	---	---	---	---	---	---	---	0.0586	0.250	13
14	---	---	---	---	---	---	---	---	---	---	0.0595	0.120	14
15	---	---	---	---	---	---	---	---	---	---	0.0653	0.104	15
16	---	---	---	---	---	---	---	---	---	---	0.0618	0.0649	16
17	---	---	---	---	---	---	---	---	---	---	0.0467	0.0652	17
18	---	---	---	---	---	---	---	---	---	---	0.0445	0.164	18
19	---	---	---	---	---	---	---	---	---	---	0.0420	0.165	19
20	---	---	---	---	---	---	---	---	---	---	0.0360	0.116	20
21	---	---	---	---	---	---	---	---	---	---	0.0343	0.125	21
22	---	---	---	---	---	---	---	---	---	---	0.122	0.357	22
23	---	---	---	---	---	---	---	---	---	---	0.140	0.432	23
24	---	---	---	---	---	---	---	---	---	---	0.118	0.258	24
25	---	---	---	---	---	---	---	---	---	---	0.0910	0.145	25
26	---	---	---	---	---	---	---	---	---	---	0.0661	0.0806	26
27	---	---	---	---	---	---	---	---	---	---	0.131*	0.0638	27
28	---	---	---	---	---	---	---	---	---	---	0.255*	0.0597	28
29	---		---	---	---	---	---	---	---	---	0.167	1.61	29
30	---		---	---	---	---	---	---	---	---	0.104	1.97	30
31	---		---		---		---	---		---		1.18	31
TOTAL	---	---	---	---	---	---	---	---	---	---	4.19	8.54	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.140	0.276	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.191	0.455	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.967	1.97	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0141	0.0548	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 12.7

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 60.3087 B1= 1.1159 A2= 0.0000 B2= 0.0000 R^2= 0.7143 N= 12.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0484	0.337	1
2	---	---	---	---	---	---	---	---	---	---	0.0493	0.213	2
3	---	---	---	---	---	---	---	---	---	---	0.0426	0.376	3
4	---	---	---	---	---	---	---	---	---	---	0.0421	0.931	4
5	---	---	---	---	---	---	---	---	---	---	3.43*	0.525	5
6	---	---	---	---	---	---	---	---	---	---	6.55*	0.410	6
7	---	---	---	---	---	---	---	---	---	---	2.30	0.298	7
8	---	---	---	---	---	---	---	---	---	---	0.915	0.260	8
9	---	---	---	---	---	---	---	---	---	---	0.621	0.336	9
10	---	---	---	---	---	---	---	---	---	---	0.563	0.589	10
11	---	---	---	---	---	---	---	---	---	---	0.447	0.549	11
12	---	---	---	---	---	---	---	---	---	---	0.272	0.635	12
13	---	---	---	---	---	---	---	---	---	---	0.231	1.31	13
14	---	---	---	---	---	---	---	---	---	---	0.234	0.541	14
15	---	---	---	---	---	---	---	---	---	---	0.262	0.456	15
16	---	---	---	---	---	---	---	---	---	---	0.245	0.260	16
17	---	---	---	---	---	---	---	---	---	---	0.176	0.262	17
18	---	---	---	---	---	---	---	---	---	---	0.166	0.793	18
19	---	---	---	---	---	---	---	---	---	---	0.155	0.793	19
20	---	---	---	---	---	---	---	---	---	---	0.129	0.518	20
21	---	---	---	---	---	---	---	---	---	---	0.121	0.575	21
22	---	---	---	---	---	---	---	---	---	---	0.568	1.99	22
23	---	---	---	---	---	---	---	---	---	---	0.649	2.49	23
24	---	---	---	---	---	---	---	---	---	---	0.529	1.36	24
25	---	---	---	---	---	---	---	---	---	---	0.390	0.677	25
26	---	---	---	---	---	---	---	---	---	---	0.266	0.337	26
27	---	---	---	---	---	---	---	---	---	---	0.606*	0.255	27
28	---	---	---	---	---	---	---	---	---	---	1.34*	0.235	28
29	---		---	---	---	---	---	---	---	---	0.804	12.7	29
30	---		---	---	---	---	---	---	---	---	0.456	15.3	30
31	---		---		---		---	---		---		8.23	31
TOTAL	---	---	---	---	---	---	---	---	---	---	22.6	54.5	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.753	1.76	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	1.30	3.59	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	6.55	15.3	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0421	0.213	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 77.1

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.5617 B1= 1.3305 A2= 0.0000 B2= 0.0000 R^2= 0.8610 N= 12.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0023	0.0361	1
2	---	---	---	---	---	---	---	---	---	---	0.0024	0.0187	2
3	---	---	---	---	---	---	---	---	---	---	0.0019	0.0481	3
4	---	---	---	---	---	---	---	---	---	---	0.0019	0.154	4
5	---	---	---	---	---	---	---	---	---	---	1.35*	0.0677	5
6	---	---	---	---	---	---	---	---	---	---	2.46*	0.0480	6
7	---	---	---	---	---	---	---	---	---	---	0.565	0.0302	7
8	---	---	---	---	---	---	---	---	---	---	0.150	0.0249	8
9	---	---	---	---	---	---	---	---	---	---	0.0857	0.0373	9
10	---	---	---	---	---	---	---	---	---	---	0.0744	0.0797	10
11	---	---	---	---	---	---	---	---	---	---	0.0539	0.0719	11
12	---	---	---	---	---	---	---	---	---	---	0.0265	0.0948	12
13	---	---	---	---	---	---	---	---	---	---	0.0210	0.257	13
14	---	---	---	---	---	---	---	---	---	---	0.0215	0.0707	14
15	---	---	---	---	---	---	---	---	---	---	0.0251	0.0553	15
16	---	---	---	---	---	---	---	---	---	---	0.0229	0.0250	16
17	---	---	---	---	---	---	---	---	---	---	0.0143	0.0252	17
18	---	---	---	---	---	---	---	---	---	---	0.0131	0.124	18
19	---	---	---	---	---	---	---	---	---	---	0.0119	0.122	19
20	---	---	---	---	---	---	---	---	---	---	0.0092	0.0662	20
21	---	---	---	---	---	---	---	---	---	---	0.0084	0.0805	21
22	---	---	---	---	---	---	---	---	---	---	0.0824	0.451	22
23	---	---	---	---	---	---	---	---	---	---	0.0911	0.616	23
24	---	---	---	---	---	---	---	---	---	---	0.0683	0.265	24
25	---	---	---	---	---	---	---	---	---	---	0.0448	0.0973	25
26	---	---	---	---	---	---	---	---	---	---	0.0257	0.0362	26
27	---	---	---	---	---	---	---	---	---	---	0.0842*	0.0242	27
28	---	---	---	---	---	---	---	---	---	---	0.259*	0.0216	28
29	---		---	---	---	---	---	---	---	---	0.125	7.37	29
30	---		---	---	---	---	---	---	---	---	0.0552	8.19	30
31	---		---		---		---	---		---		3.37	31
TOTAL	---	---	---	---	---	---	---	---	---	---	5.77	22.0	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.192	0.709	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.501	1.98	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	2.46	8.19	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0019	0.0187	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 27.7

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.4820 B1= 1.8890 A2= 0.0000 B2= 0.0000 R^2= 0.8645 N= 12.

TOTAL DAILY DISCHARGE FOR 1991 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.8	0.950	4.27	7.77	---	---	---	---	---	---	---	---	1
2	5.96	0.950	27.0	5.18	---	---	---	---	---	---	---	---	2
3	3.74	1.29	16.4	3.77	---	---	---	---	---	---	---	---	3
4	2.55	5.34	8.06	3.27	---	---	---	---	---	---	---	---	4
5	2.15	9.43	8.17	3.13	---	---	---	---	---	---	---	---	5
6	1.86	5.61	21.7	2.91	---	---	---	---	---	---	---	---	6
7	1.47	5.23	18.2	2.88	---	---	---	---	---	---	---	---	7
8	1.42	5.66	7.98	2.98	---	---	---	---	---	---	---	---	8
9	1.44	4.79	5.18	14.2	---	---	---	---	---	---	---	---	9
10	1.26	3.79	3.38	19.1	---	---	---	---	---	---	---	---	10
11	1.38	2.72	2.88	8.16	---	---	---	---	---	---	---	---	11
12	1.38	2.16	2.48	4.55	---	---	---	---	---	---	---	---	12
13	1.30	1.98	2.13	3.53	---	---	---	---	---	---	---	---	13
14	1.29	1.96	2.12	3.30	---	---	---	---	---	---	---	---	14
15	1.12	1.37	1.95	14.3	---	---	---	---	---	---	---	---	15
16	1.60	1.15	2.08	13.7	---	---	---	---	---	---	---	---	16
17	1.78	1.13	2.11	7.14	---	---	---	---	---	---	---	---	17
18	1.50	1.05	11.2	4.35	---	---	---	---	---	---	---	---	18
19	1.40	11.4	10.3	3.19	---	---	---	---	---	---	---	---	19
20	1.41	10.2	7.48	7.57	---	---	---	---	---	---	---	---	20
21	1.35	9.98	7.94	14.5	---	---	---	---	---	---	---	---	21
22	1.21	9.23	6.89	12.3	---	---	---	---	---	---	---	---	22
23	1.31	4.28	8.70	6.67	---	---	---	---	---	---	---	---	23
24	1.13	2.98	12.6	3.67	---	---	---	---	---	---	---	---	24
25	1.09	2.13	9.40	2.76	---	---	---	---	---	---	---	---	25
26	1.13	1.90	6.88	2.34	---	---	---	---	---	---	---	---	26
27	1.11	1.65	77.9	2.09	---	---	---	---	---	---	---	---	27
28	1.05	1.48	47.1	1.88	---	---	---	---	---	---	---	---	28
29	0.950		28.4	1.64	---	---	---	---	---	---	---	---	29
30	0.943		23.0	1.59	---	---	---	---	---	---	---	---	30
31	0.950		18.2		---		---	---		---		---	31
TOTAL	63.0	111	412	184	---	---	---	---	---	---	---	---	TOTAL
MEAN	2.03	3.99	13.3	6.15	---	---	---	---	---	---	---	---	MEAN
ST.D.	2.56	3.26	15.6	4.79	---	---	---	---	---	---	---	---	ST.D.
MAX	14.8	11.4	77.9	19.1	---	---	---	---	---	---	---	---	MAX
MIN	0.943	0.950	1.95	1.59	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 771
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.84	0.0046	0.197*	0.420	---	---	---	---	---	---	---	---	1
2	0.254	0.0046	6.25*	0.176	---	---	---	---	---	---	---	---	2
3	0.0885	0.0103	2.27*	0.0890	---	---	---	---	---	---	---	---	3
4	0.0390	0.342	0.482	0.0655	---	---	---	---	---	---	---	---	4
5	0.0267	0.653	0.619	0.0597	---	---	---	---	---	---	---	---	5
6	0.0199	0.217	5.26	0.0512	---	---	---	---	---	---	---	---	6
7	0.0119	0.184	2.95	0.0499	---	---	---	---	---	---	---	---	7
8	0.0110	0.260	0.462	0.0539*	---	---	---	---	---	---	---	---	8
9	0.0114	0.154	0.179	1.53*	---	---	---	---	---	---	---	---	9
10	0.0085	0.0921	0.0719	2.89*	---	---	---	---	---	---	---	---	10
11	0.0103	0.0457	0.0502	0.468	---	---	---	---	---	---	---	---	11
12	0.0104	0.0270	0.0368	0.134	---	---	---	---	---	---	---	---	12
13	0.0091	0.0225	0.0264	0.0776	---	---	---	---	---	---	---	---	13
14	0.0090	0.0220	0.0264	0.0670	---	---	---	---	---	---	---	---	14
15	0.0067	0.0102	0.0219	1.57	---	---	---	---	---	---	---	---	15
16	0.0154	0.0070	0.0252	1.41	---	---	---	---	---	---	---	---	16
17	0.0180	0.0067	0.0257	0.350	---	---	---	---	---	---	---	---	17
18	0.0124	0.0058*	1.17	0.121	---	---	---	---	---	---	---	---	18
19	0.0106	1.91	0.787	0.0622	---	---	---	---	---	---	---	---	19
20	0.0109	0.833	0.393	0.398	---	---	---	---	---	---	---	---	20
21	0.0098*	0.973	0.441	1.61	---	---	---	---	---	---	---	---	21
22	0.0078	0.631*	0.332	1.12	---	---	---	---	---	---	---	---	22
23	0.0093	0.121	0.562	0.303	---	---	---	---	---	---	---	---	23
24	0.0067*	0.0549	1.20	0.0843	---	---	---	---	---	---	---	---	24
25	0.0063	0.0263	0.643	0.0456	---	---	---	---	---	---	---	---	25
26	0.0068	0.0207	0.326	0.0321	---	---	---	---	---	---	---	---	26
27	0.0065	0.0152	79.0*	0.0252	---	---	---	---	---	---	---	---	27
28	0.0057	0.0121	23.0*	0.0201	---	---	---	---	---	---	---	---	28
29	0.0046		6.82*	0.0150	---	---	---	---	---	---	---	---	29
30	0.0046		4.32	0.0140	---	---	---	---	---	---	---	---	30
31	0.0046		2.69		---		---	---		---		---	31
TOTAL	2.50	6.67	140	13.3	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0806	0.238	4.53	0.443	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.330	0.424	14.5	0.693	---	---	---	---	---	---	---	---	ST.D.
MAX	1.84	1.91	79.0	2.89	---	---	---	---	---	---	---	---	MAX
MIN	0.0046	0.0046	0.0219	0.0140	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 163

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 852.4090 B1= 2.1445 A2= 0.0000 B2= 0.0000 R^2= 0.7699 N= 24.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.24	0.0380	0.950*	2.01	---	---	---	---	---	---	---	---	1
2	1.27	0.0380	21.5*	0.932	---	---	---	---	---	---	---	---	2
3	0.508	0.0744	8.71*	0.512	---	---	---	---	---	---	---	---	3
4	0.247	1.54	2.24	0.391	---	---	---	---	---	---	---	---	4
5	0.177	2.94	2.68	0.360	---	---	---	---	---	---	---	---	5
6	0.136	1.11	17.6	0.315	---	---	---	---	---	---	---	---	6
7	0.0867	0.965	10.9	0.308	---	---	---	---	---	---	---	---	7
8	0.0810	1.27	2.16	0.329*	---	---	---	---	---	---	---	---	8
9	0.0837	0.822	0.941	6.24*	---	---	---	---	---	---	---	---	9
10	0.0645	0.525	0.422	11.0*	---	---	---	---	---	---	---	---	10
11	0.0769	0.283	0.309	2.20	---	---	---	---	---	---	---	---	11
12	0.0771	0.179	0.234	0.732	---	---	---	---	---	---	---	---	12
13	0.0687	0.153	0.175	0.453	---	---	---	---	---	---	---	---	13
14	0.0679	0.149	0.175	0.399	---	---	---	---	---	---	---	---	14
15	0.0522	0.0761	0.149	6.38	---	---	---	---	---	---	---	---	15
16	0.107	0.0547	0.168	5.82	---	---	---	---	---	---	---	---	16
17	0.125	0.0527	0.171	1.71	---	---	---	---	---	---	---	---	17
18	0.0902	0.0463*	4.78	0.670	---	---	---	---	---	---	---	---	18
19	0.0786	6.98	3.47	0.373	---	---	---	---	---	---	---	---	19
20	0.0802	3.59	1.89	1.91	---	---	---	---	---	---	---	---	20
21	0.0734*	3.98	2.09	6.53	---	---	---	---	---	---	---	---	21
22	0.0603	2.85*	1.62	4.75	---	---	---	---	---	---	---	---	22
23	0.0698	0.664	2.57	1.50	---	---	---	---	---	---	---	---	23
24	0.0527*	0.333	5.03	0.487	---	---	---	---	---	---	---	---	24
25	0.0497	0.175	2.91	0.284	---	---	---	---	---	---	---	---	25
26	0.0531	0.141	1.60	0.208	---	---	---	---	---	---	---	---	26
27	0.0512	0.108	192*	0.168	---	---	---	---	---	---	---	---	27
28	0.0457	0.0881	66.0*	0.138	---	---	---	---	---	---	---	---	28
29	0.0380		23.3*	0.107	---	---	---	---	---	---	---	---	29
30	0.0375		15.6	0.100	---	---	---	---	---	---	---	---	30
31	0.0380		10.2		---		---	---		---		---	31
TOTAL	11.3	29.2	403	57.3	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.364	1.04	13.0	1.91	---	---	---	---	---	---	---	---	MEAN
ST.D.	1.30	1.63	35.7	2.70	---	---	---	---	---	---	---	---	ST.D.
MAX	7.24	6.98	192	11.0	---	---	---	---	---	---	---	---	MAX
MIN	0.0375	0.0380	0.149	0.100	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 500

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 2.1923 B1= 1.8879 A2= 0.0000 B2= 0.0000 R^2= 0.7707 N= 24.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.09	0.0138	0.186*	0.381	---	---	---	---	---	---	---	---	1
2	0.257	0.0138	2.75*	0.201	---	---	---	---	---	---	---	---	2
3	0.121	0.0236	1.28*	0.122	---	---	---	---	---	---	---	---	3
4	0.0659	0.274	0.413	0.0970	---	---	---	---	---	---	---	---	4
5	0.0501	0.522	0.460	0.0906	---	---	---	---	---	---	---	---	5
6	0.0401	0.231	2.21	0.0809	---	---	---	---	---	---	---	---	6
7	0.0275	0.206	1.53	0.0794	---	---	---	---	---	---	---	---	7
8	0.0260	0.249	0.403	0.0840*	---	---	---	---	---	---	---	---	8
9	0.0268	0.180	0.202	0.983*	---	---	---	---	---	---	---	---	9
10	0.0215	0.124	0.103	1.57*	---	---	---	---	---	---	---	---	10
11	0.0249	0.0736	0.0797	0.412	---	---	---	---	---	---	---	---	11
12	0.0250	0.0505	0.0632	0.164	---	---	---	---	---	---	---	---	12
13	0.0227	0.0442	0.0496	0.110	---	---	---	---	---	---	---	---	13
14	0.0225	0.0434	0.0494	0.0986	---	---	---	---	---	---	---	---	14
15	0.0180	0.0247	0.0431	1.00	---	---	---	---	---	---	---	---	15
16	0.0324	0.0187	0.0479	0.927	---	---	---	---	---	---	---	---	16
17	0.0373	0.0181	0.0487	0.333	---	---	---	---	---	---	---	---	17
18	0.0285	0.0163*	0.755	0.152	---	---	---	---	---	---	---	---	18
19	0.0254	0.965	0.600	0.0934	---	---	---	---	---	---	---	---	19
20	0.0258	0.609	0.361	0.366	---	---	---	---	---	---	---	---	20
21	0.0240*	0.638	0.394	1.02	---	---	---	---	---	---	---	---	21
22	0.0203	0.507*	0.318	0.783	---	---	---	---	---	---	---	---	22
23	0.0230	0.150	0.464	0.299	---	---	---	---	---	---	---	---	23
24	0.0182*	0.0847	0.820	0.117	---	---	---	---	---	---	---	---	24
25	0.0173	0.0495	0.518	0.0742	---	---	---	---	---	---	---	---	25
26	0.0183	0.0415	0.315	0.0574	---	---	---	---	---	---	---	---	26
27	0.0177	0.0331	16.4*	0.0480	---	---	---	---	---	---	---	---	27
28	0.0161	0.0279	6.88*	0.0407	---	---	---	---	---	---	---	---	28
29	0.0138		2.96*	0.0328	---	---	---	---	---	---	---	---	29
30	0.0137		2.11	0.0311	---	---	---	---	---	---	---	---	30
31	0.0138		1.48		---		---	---		---			31
TOTAL	2.19	5.23	44.3	9.86	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0705	0.187	1.43	0.329	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.195	0.243	3.10	0.397	---	---	---	---	---	---	---	---	ST.D.
MAX	1.09	0.965	16.4	1.57	---	---	---	---	---	---	---	---	MAX
MIN	0.0137	0.0138	0.0431	0.0311	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 61.6

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1974 B1= 1.5782 A2= 0.0000 B2= 0.0000 R^2= 0.8322 N= 24.

TOTAL DAILY DISCHARGE FOR 1991 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.55	0.994	0.397	0.233	0.121	0.0605	---	---	1
2	---	---	---	---	1.43	0.968	0.415	0.225	0.130	0.0605	---	---	2
3	---	---	---	---	1.37	0.907	0.397	0.251	0.121	0.0605	---	---	3
4	---	---	---	---	1.24	0.847	0.397	0.285	0.121	0.0691	---	---	4
5	---	---	---	---	1.18	0.821	0.397	0.259	0.121	0.0605	---	---	5
6	---	---	---	---	1.24	0.786	0.372	0.233	0.104	0.0605	---	---	6
7	---	---	---	---	1.16	0.743	0.389	0.242	0.104	0.0605	---	---	7
8	---	---	---	---	1.13	0.700	0.397	0.242	0.104	0.0605	---	---	8
9	---	---	---	---	1.14	0.648	0.363	0.242	0.104	0.0518	---	---	9
10	---	---	---	---	1.09	0.613	0.346	0.233	0.112	0.0518	---	---	10
11	---	---	---	---	1.09	0.631	0.328	0.216	0.104	0.0518	---	---	11
12	---	---	---	---	1.07	0.648	0.328	0.216	0.0950	0.0518	---	---	12
13	---	---	---	---	1.06	0.570	0.346	0.199	0.0950	0.0518	---	---	13
14	---	---	---	---	1.06	0.579	0.320	0.207	0.0950	0.0432	---	---	14
15	---	---	---	---	1.08	0.588	0.302	0.190	0.0864	0.0518	---	---	15
16	---	---	---	---	0.968	0.613	0.294	0.199	0.0864	0.0432	---	---	16
17	---	---	---	---	1.00	0.553	0.276	0.207	0.0950	0.0432	---	---	17
18	---	---	---	---	0.907	0.510	0.294	0.199	0.0864	0.0432	---	---	18
19	---	---	---	---	0.890	0.501	0.302	0.199	0.0950	0.0432	---	---	19
20	---	---	---	---	0.847	0.467	0.302	0.190	0.0864	0.0432	---	---	20
21	---	---	---	---	0.890	0.458	0.311	0.181	0.0778	0.0346	---	---	21
22	---	---	---	---	0.881	0.432	0.294	0.181	0.0778	0.0346	---	---	22
23	---	---	---	---	0.864	0.449	0.276	0.173	0.0864	0.0432	---	---	23
24	---	---	---	---	1.16	0.432	0.268	0.164	0.0778	0.0432	---	---	24
25	---	---	---	---	1.55	0.458	0.268	0.164	0.0691	0.0518	---	---	25
26	---	---	---	---	4.31	0.415	0.259	0.164	0.0691	0.0518	---	---	26
27	---	---	---	---	2.28	0.415	0.259	0.147	0.0691	0.0518	---	---	27
28	---	---	---	---	1.48	0.415	0.251	0.147	0.0691	0.0346	---	---	28
29	---		---	---	1.31	0.406	0.259	0.147	0.0605	0.0259	---	---	29
30	---		---	---	1.55	0.397	0.449	0.138	0.0691	0.0259	---	---	30
31	---		---		1.32		0.251	0.130		0.0259		---	31
TOTAL	---	---	---	---	40.1	18.0	10.1	6.20	2.79	1.49	---	---	TOTAL
MEAN	---	---	---	---	1.29	0.599	0.326	0.200	0.0930	0.0479	---	---	MEAN
ST.D.	---	---	---	---	0.631	0.177	0.0572	0.0391	0.0188	0.0113	---	---	ST.D.
MAX	---	---	---	---	4.31	0.994	0.449	0.285	0.130	0.0691	---	---	MAX
MIN	---	---	---	---	0.847	0.397	0.251	0.130	0.0605	0.0259	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 78.6
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0291	0.0136	0.0028	0.0011	0.0004	0.0001	---	---	1
2	---	---	---	---	0.0256	0.0130	0.0030	0.0010	0.0004	0.0001	---	---	2
3	---	---	---	---	0.0235	0.0116	0.0028	0.0013	0.0004	0.0001	---	---	3
4	---	---	---	---	0.0200	0.0103	0.0028	0.0016	0.0004	0.0001	---	---	4
5	---	---	---	---	0.0181	0.0098	0.0028*	0.0013	0.0004	0.0001	---	---	5
6	---	---	---	---	0.0200	0.0091	0.0025	0.0011	0.0003	0.0001	---	---	6
7	---	---	---	---	0.0177	0.0082	0.0027*	0.0012	0.0003	0.0001	---	---	7
8	---	---	---	---	0.0170	0.0074	0.0028*	0.0012	0.0003	0.0001	---	---	8
9	---	---	---	---	0.0172	0.0065	0.0024	0.0012	0.0003	0.0001	---	---	9
10	---	---	---	---	0.0159	0.0059	0.0022	0.0011	0.0003	0.0001	---	---	10
11	---	---	---	---	0.0159	0.0062*	0.0020	0.0010	0.0003	0.0001	---	---	11
12	---	---	---	---	0.0155	0.0065	0.0020	0.0010	0.0002	0.0001	---	---	12
13	---	---	---	---	0.0152	0.0052	0.0022	0.0008	0.0002	0.0001	---	---	13
14	---	---	---	---	0.0152	0.0053	0.0019	0.0009	0.0002	0.0001	---	---	14
15	---	---	---	---	0.0157	0.0055	0.0017	0.0008	0.0002	0.0001	---	---	15
16	---	---	---	---	0.0130*	0.0059	0.0017	0.0008	0.0002	0.0001	---	---	16
17	---	---	---	---	0.0138*	0.0049	0.0015	0.0009	0.0002	0.0001	---	---	17
18	---	---	---	---	0.0116*	0.0043	0.0017	0.0008	0.0002	0.0001	---	---	18
19	---	---	---	---	0.0112	0.0042	0.0017	0.0008	0.0002	0.0001	---	---	19
20	---	---	---	---	0.0103	0.0037	0.0017	0.0008	0.0002	0.0001	---	---	20
21	---	---	---	---	0.0112	0.0036	0.0018	0.0007	0.0002	0.0000	---	---	21
22	---	---	---	---	0.0110	0.0032	0.0017	0.0007	0.0002	0.0000	---	---	22
23	---	---	---	---	0.0107	0.0035	0.0015	0.0007	0.0002	0.0001	---	---	23
24	---	---	---	---	0.0177*	0.0032	0.0014	0.0006	0.0002	0.0001	---	---	24
25	---	---	---	---	0.0291*	0.0036	0.0014	0.0006	0.0001	0.0001	---	---	25
26	---	---	---	---	0.171*	0.0030	0.0013	0.0006	0.0001	0.0001	---	---	26
27	---	---	---	---	0.0569	0.0030	0.0013	0.0005	0.0001	0.0001	---	---	27
28	---	---	---	---	0.0269	0.0030	0.0013	0.0005	0.0001	0.0000	---	---	28
29	---		---	---	0.0220	0.0029	0.0013	0.0005	0.0001	0.0000	---	---	29
30	---		---	---	0.0291	0.0028	0.0035*	0.0005	0.0001	0.0000	---	---	30
31	---		---		0.0222		0.0013	0.0004		0.0000		---	31
TOTAL	---	---	---	---	0.749	0.179	0.0627	0.0271	0.0070	0.0023	---	---	TOTAL
MEAN	---	---	---	---	0.0242	0.0060	0.0020	0.0009	0.0002	0.0001	---	---	MEAN
ST.D.	---	---	---	---	0.0286	0.0031	0.0006	0.0003	0.0001	0.0000	---	---	ST.D.
MAX	---	---	---	---	0.171	0.0136	0.0035	0.0016	0.0004	0.0001	---	---	MAX
MIN	---	---	---	---	0.0103	0.0028	0.0013	0.0004	0.0001	0.0000	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 1.03

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 347.6785 B1= 1.7249 A2= 0.0000 B2= 0.0000 R^2= 0.4686 N= 31.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.166	0.0716	0.0125	0.0045	0.0013	0.0003	---	---	1
2	---	---	---	---	0.144	0.0681	0.0136	0.0042	0.0015	0.0003	---	---	2
3	---	---	---	---	0.131	0.0602	0.0125	0.0052	0.0013	0.0003	---	---	3
4	---	---	---	---	0.110	0.0528	0.0125	0.0066	0.0013	0.0004	---	---	4
5	---	---	---	---	0.0986	0.0498	0.0125*	0.0055	0.0013	0.0003	---	---	5
6	---	---	---	---	0.110	0.0459	0.0110	0.0045	0.0010	0.0003	---	---	6
7	---	---	---	---	0.0958	0.0412	0.0120*	0.0049	0.0010	0.0003	---	---	7
8	---	---	---	---	0.0918	0.0367	0.0125*	0.0049	0.0010	0.0003	---	---	8
9	---	---	---	---	0.0931	0.0317	0.0105	0.0049	0.0010	0.0003	---	---	9
10	---	---	---	---	0.0852	0.0286	0.0096	0.0045	0.0011	0.0003	---	---	10
11	---	---	---	---	0.0852	0.0301*	0.0087	0.0039	0.0010	0.0003	---	---	11
12	---	---	---	---	0.0827	0.0317	0.0087	0.0039	0.0008	0.0003	---	---	12
13	---	---	---	---	0.0814	0.0249	0.0096	0.0033	0.0008	0.0003	---	---	13
14	---	---	---	---	0.0814	0.0256	0.0083	0.0036	0.0008	0.0002	---	---	14
15	---	---	---	---	0.0839	0.0263	0.0074	0.0031	0.0007	0.0003	---	---	15
16	---	---	---	---	0.0681*	0.0286	0.0070	0.0033	0.0007	0.0002	---	---	16
17	---	---	---	---	0.0728*	0.0235	0.0063	0.0036	0.0008	0.0002	---	---	17
18	---	---	---	---	0.0602*	0.0201	0.0070	0.0033	0.0007	0.0002	---	---	18
19	---	---	---	---	0.0581	0.0195	0.0074	0.0033	0.0008	0.0002	---	---	19
20	---	---	---	---	0.0528	0.0170	0.0074	0.0031	0.0007	0.0002	---	---	20
21	---	---	---	---	0.0581	0.0164	0.0078	0.0028	0.0006	0.0001	---	---	21
22	---	---	---	---	0.0570	0.0147	0.0070	0.0028	0.0006	0.0001	---	---	22
23	---	---	---	---	0.0549	0.0158	0.0063	0.0026	0.0007	0.0002	---	---	23
24	---	---	---	---	0.0958*	0.0147	0.0059	0.0023	0.0006	0.0002	---	---	24
25	---	---	---	---	0.166*	0.0164	0.0059	0.0023	0.0004	0.0003	---	---	25
26	---	---	---	---	1.17*	0.0136	0.0055	0.0023	0.0004	0.0003	---	---	26
27	---	---	---	---	0.348	0.0136	0.0055	0.0019	0.0004	0.0003	---	---	27
28	---	---	---	---	0.152	0.0136	0.0052	0.0019	0.0004	0.0001	---	---	28
29	---		---	---	0.122	0.0130	0.0055	0.0019	0.0003	0.0001	---	---	29
30	---		---	---	0.166	0.0125	0.0158*	0.0017	0.0004	0.0001	---	---	30
31	---		---		0.123		0.0052	0.0015		0.0001		---	31
TOTAL	---	---	---	---	4.37	0.878	0.273	0.108	0.0245	0.0072	---	---	TOTAL
MEAN	---	---	---	---	0.141	0.0293	0.0088	0.0035	0.0008	0.0002	---	---	MEAN
ST.D.	---	---	---	---	0.199	0.0170	0.0030	0.0013	0.0003	0.0001	---	---	ST.D.
MAX	---	---	---	---	1.17	0.0716	0.0158	0.0066	0.0015	0.0004	---	---	MAX
MIN	---	---	---	---	0.0528	0.0125	0.0052	0.0015	0.0003	0.0001	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 5.66

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 4.0800 B1= 1.9038 A2= 0.0000 B2= 0.0000 R^2= 0.6154 N= 31.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.0308	0.0122	0.0018	0.0006	0.0001	0.0000	---	---	1
2	---	---	---	---	0.0263	0.0115	0.0019	0.0005	0.0002	0.0000	---	---	2
3	---	---	---	---	0.0237	0.0101	0.0018	0.0007	0.0001	0.0000	---	---	3
4	---	---	---	---	0.0195	0.0087	0.0018	0.0009	0.0001	0.0000	---	---	4
5	---	---	---	---	0.0173	0.0082	0.0018*	0.0007	0.0001	0.0000	---	---	5
6	---	---	---	---	0.0195	0.0075	0.0015	0.0006	0.0001	0.0000	---	---	6
7	---	---	---	---	0.0168	0.0066	0.0017*	0.0006	0.0001	0.0000	---	---	7
8	---	---	---	---	0.0160	0.0058	0.0018*	0.0006	0.0001	0.0000	---	---	8
9	---	---	---	---	0.0163	0.0050	0.0015	0.0006	0.0001	0.0000	---	---	9
10	---	---	---	---	0.0147	0.0044	0.0013	0.0006	0.0001	0.0000	---	---	10
11	---	---	---	---	0.0147	0.0047*	0.0012	0.0005	0.0001	0.0000	---	---	11
12	---	---	---	---	0.0143	0.0050	0.0012	0.0005	0.0001	0.0000	---	---	12
13	---	---	---	---	0.0140	0.0038	0.0013	0.0004	0.0001	0.0000	---	---	13
14	---	---	---	---	0.0140	0.0039	0.0011	0.0005	0.0001	0.0000	---	---	14
15	---	---	---	---	0.0145	0.0040	0.0010	0.0004	0.0001	0.0000	---	---	15
16	---	---	---	---	0.0115*	0.0044	0.0009	0.0004	0.0001	0.0000	---	---	16
17	---	---	---	---	0.0124*	0.0036	0.0008	0.0005	0.0001	0.0000	---	---	17
18	---	---	---	---	0.0101*	0.0030	0.0009	0.0004	0.0001	0.0000	---	---	18
19	---	---	---	---	0.0097	0.0029	0.0010	0.0004	0.0001	0.0000	---	---	19
20	---	---	---	---	0.0087	0.0025	0.0010	0.0004	0.0001	0.0000	---	---	20
21	---	---	---	---	0.0097	0.0024	0.0011	0.0003	0.0001	0.0000	---	---	21
22	---	---	---	---	0.0095	0.0021	0.0009	0.0003	0.0001	0.0000	---	---	22
23	---	---	---	---	0.0091	0.0023	0.0008	0.0003	0.0001	0.0000	---	---	23
24	---	---	---	---	0.0168*	0.0021	0.0008	0.0003	0.0001	0.0000	---	---	24
25	---	---	---	---	0.0308*	0.0024	0.0008	0.0003	0.0000	0.0000	---	---	25
26	---	---	---	---	0.264*	0.0019	0.0007	0.0003	0.0000	0.0000	---	---	26
27	---	---	---	---	0.0695	0.0019	0.0007	0.0002	0.0000	0.0000	---	---	27
28	---	---	---	---	0.0280	0.0019	0.0007	0.0002	0.0000	0.0000	---	---	28
29	---		---	---	0.0218	0.0019	0.0007	0.0002	0.0000	0	---	---	29
30	---		---	---	0.0308	0.0018	0.0023*	0.0002	0.0000	0	---	---	30
31	---		---		0.0222		0.0007	0.0002		0		---	31
TOTAL	---	---	---	---	0.837	0.139	0.0377	0.0137	0.0027	0.0007	---	---	TOTAL
MEAN	---	---	---	---	0.0270	0.0046	0.0012	0.0004	0.0001	0.0000	---	---	MEAN
ST.D.	---	---	---	---	0.0455	0.0030	0.0005	0.0002	0.0000	0.0000	---	---	ST.D.
MAX	---	---	---	---	0.264	0.0122	0.0023	0.0009	0.0002	0.0000	---	---	MAX
MIN	---	---	---	---	0.0087	0.0018	0.0007	0.0002	0.0000	0	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 1.03

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 1.6437 B1= 2.0971 A2= 0.0000 B2= 0.0000 R^2= 0.5260 N= 31.

TOTAL DAILY DISCHARGE FOR 1991 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0259	0.0346	1
2	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	2
3	---	---	---	---	---	---	---	---	---	---	0.0259	0.0346	3
4	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	4
5	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	5
6	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	6
7	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	7
8	---	---	---	---	---	---	---	---	---	---	0.0259	0.104	8
9	---	---	---	---	---	---	---	---	---	---	0.0173	0.268	9
10	---	---	---	---	---	---	---	---	---	---	0.0259	0.0778	10
11	---	---	---	---	---	---	---	---	---	---	0.0173	0.0432	11
12	---	---	---	---	---	---	---	---	---	---	0.0173	0.0346	12
13	---	---	---	---	---	---	---	---	---	---	0.0259	0.0346	13
14	---	---	---	---	---	---	---	---	---	---	0.0259	0.0346	14
15	---	---	---	---	---	---	---	---	---	---	0.0259	0.0346	15
16	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	16
17	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	17
18	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	18
19	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	19
20	---	---	---	---	---	---	---	---	---	---	0.0518	0.0259	20
21	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	21
22	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	22
23	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	23
24	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	24
25	---	---	---	---	---	---	---	---	---	---	0.0259	0.0173	25
26	---	---	---	---	---	---	---	---	---	---	0.0259	0.0173	26
27	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	27
28	---	---	---	---	---	---	---	---	---	---	0.0259	0.0259	28
29	---		---	---	---	---	---	---	---	---	0.0259	0.0173	29
30	---		---	---	---	---	---	---	---	---	0.0432	0.0173	30
31	---		---		---		---	---		---		0.0173	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.795	1.20	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0265	0.0387	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0064	0.0459	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0518	0.268	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0173	0.0173	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 2.00
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	1
2	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	2
3	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	3
4	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	4
5	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	5
6	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	6
7	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001*	7
8	---	---	---	---	---	---	---	---	---	---	0.0001	0.0005*	8
9	---	---	---	---	---	---	---	---	---	---	0.0000	0.0020*	9
10	---	---	---	---	---	---	---	---	---	---	0.0001	0.0004*	10
11	---	---	---	---	---	---	---	---	---	---	0.0000	0.0002*	11
12	---	---	---	---	---	---	---	---	---	---	0.0000	0.0001*	12
13	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001*	13
14	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	14
15	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	15
16	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	16
17	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	17
18	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	18
19	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	19
20	---	---	---	---	---	---	---	---	---	---	0.0002*	0.0001	20
21	---	---	---	---	---	---	---	---	---	---	0.0001*	0.0001	21
22	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	22
23	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	23
24	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	24
25	---	---	---	---	---	---	---	---	---	---	0.0001	0.0000	25
26	---	---	---	---	---	---	---	---	---	---	0.0001	0.0000	26
27	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	27
28	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	28
29	---		---	---	---	---	---	---	---	---	0.0001	0.0000	29
30	---		---	---	---	---	---	---	---	---	0.0002	0.0000	30
31	---		---		---		---	---		---		0.0000	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.0025	0.0053	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0001	0.0002	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0000	0.0003	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0002	0.0020	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0000	0.0000	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.0078

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 61.4611 B1= 1.3680 A2= 0.0000 B2= 0.0000 R^2= 0.7850 N= 18.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0005	0.0009	1
2	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	2
3	---	---	---	---	---	---	---	---	---	---	0.0005	0.0009	3
4	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	4
5	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	5
6	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	6
7	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005*	7
8	---	---	---	---	---	---	---	---	---	---	0.0005	0.0079*	8
9	---	---	---	---	---	---	---	---	---	---	0.0002	0.0529*	9
10	---	---	---	---	---	---	---	---	---	---	0.0005	0.0043*	10
11	---	---	---	---	---	---	---	---	---	---	0.0002	0.0014*	11
12	---	---	---	---	---	---	---	---	---	---	0.0002	0.0009*	12
13	---	---	---	---	---	---	---	---	---	---	0.0005	0.0009*	13
14	---	---	---	---	---	---	---	---	---	---	0.0005	0.0009	14
15	---	---	---	---	---	---	---	---	---	---	0.0005	0.0009	15
16	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	16
17	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	17
18	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	18
19	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	19
20	---	---	---	---	---	---	---	---	---	---	0.0019*	0.0005	20
21	---	---	---	---	---	---	---	---	---	---	0.0006*	0.0005	21
22	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	22
23	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	23
24	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	24
25	---	---	---	---	---	---	---	---	---	---	0.0005	0.0002	25
26	---	---	---	---	---	---	---	---	---	---	0.0005	0.0002	26
27	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	27
28	---	---	---	---	---	---	---	---	---	---	0.0005	0.0005	28
29	---		---	---	---	---	---	---	---	---	0.0005	0.0002	29
30	---		---	---	---	---	---	---	---	---	0.0014	0.0002	30
31	---		---		---		---	---		---		0.0002	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.0164	0.0809	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0005	0.0026	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0003	0.0095	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0019	0.0529	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 0.0973

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 64.3181 B1= 2.0016 A2= 0.0000 B2= 0.0000 R^2= 0.7157 N= 18.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	0.0002	0.0003	1
2	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	2
3	---	---	---	---	---	---	---	---	---	---	0.0002	0.0003	3
4	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	4
5	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	5
6	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	6
7	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002*	7
8	---	---	---	---	---	---	---	---	---	---	0.0002	0.0042*	8
9	---	---	---	---	---	---	---	---	---	---	0.0001	0.0390*	9
10	---	---	---	---	---	---	---	---	---	---	0.0002	0.0021*	10
11	---	---	---	---	---	---	---	---	---	---	0.0001	0.0005*	11
12	---	---	---	---	---	---	---	---	---	---	0.0001	0.0003*	12
13	---	---	---	---	---	---	---	---	---	---	0.0002	0.0003*	13
14	---	---	---	---	---	---	---	---	---	---	0.0002	0.0003	14
15	---	---	---	---	---	---	---	---	---	---	0.0002	0.0003	15
16	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	16
17	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	17
18	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	18
19	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	19
20	---	---	---	---	---	---	---	---	---	---	0.0008*	0.0002	20
21	---	---	---	---	---	---	---	---	---	---	0.0002*	0.0002	21
22	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	22
23	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	23
24	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	24
25	---	---	---	---	---	---	---	---	---	---	0.0002	0.0001	25
26	---	---	---	---	---	---	---	---	---	---	0.0002	0.0001	26
27	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	27
28	---	---	---	---	---	---	---	---	---	---	0.0002	0.0002	28
29	---		---	---	---	---	---	---	---	---	0.0002	0.0001	29
30	---		---	---	---	---	---	---	---	---	0.0005	0.0001	30
31	---		---		---		---	---		---		0.0001	31
TOTAL	---	---	---	---	---	---	---	---	---	---	0.0058	0.0509	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	0.0002	0.0016	MEAN
ST.D.	---	---	---	---	---	---	---	---	---	---	0.0001	0.0070	ST.D.
MAX	---	---	---	---	---	---	---	---	---	---	0.0008	0.0390	MAX
MIN	---	---	---	---	---	---	---	---	---	---	0.0001	0.0001	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 0.0567

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 329.3682 B1= 2.3370 A2= 0.0000 B2= 0.0000 R^2= 0.5818 N= 17.

/charge/4100./data/loads/we.flow92a.out Fri Feb 19 16:35:28 1993

TOTAL DAILY DISCHARGE FOR 1992 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.0864	1.19	---	---	---	---	---	---	---	---	---	1
2	0	0.0864	1.25	---	---	---	---	---	---	---	---	---	2
3	0	0.0864	1.61	---	---	---	---	---	---	---	---	---	3
4	0	0.0864	4.00	---	---	---	---	---	---	---	---	---	4
5	0.0864	0.0864	7.92	---	---	---	---	---	---	---	---	---	5
6	0.0864	0.0864	14.9	---	---	---	---	---	---	---	---	---	6
7	0.0468	0.0864	24.3	---	---	---	---	---	---	---	---	---	7
8	0	0.0864	20.0	---	---	---	---	---	---	---	---	---	8
9	0.0432	0.0432	20.5	---	---	---	---	---	---	---	---	---	9
10	0.0864	0.0684	22.2	---	---	---	---	---	---	---	---	---	10
11	0.0864	0.0684	10.4	---	---	---	---	---	---	---	---	---	11
12	0.0864	0.0144	3.17	---	---	---	---	---	---	---	---	---	12
13	0.130	0	1.57	---	---	---	---	---	---	---	---	---	13
14	0.432	0	0.947	---	---	---	---	---	---	---	---	---	14
15	0.242	0.194	0.677	---	---	---	---	---	---	---	---	---	15
16	0.173	0.622	0.612	---	---	---	---	---	---	---	---	---	16
17	0.112	0.284	0.929	---	---	---	---	---	---	---	---	---	17
18	0.104	0.313	0.706	---	---	---	---	---	---	---	---	---	18
19	0.0950	7.02	0.702	---	---	---	---	---	---	---	---	---	19
20	0.0864	4.84	0.680	---	---	---	---	---	---	---	---	---	20
21	0.0691	2.05	0.536	---	---	---	---	---	---	---	---	---	21
22	0.0432	1.54	0.518	---	---	---	---	---	---	---	---	---	22
23	1.04	1.84	0.457	---	---	---	---	---	---	---	---	---	23
24	1.21	2.14	0.418	---	---	---	---	---	---	---	---	---	24
25	0.425	1.65	0.612	---	---	---	---	---	---	---	---	---	25
26	0.284	1.58	0.889	---	---	---	---	---	---	---	---	---	26
27	0.256	1.25	0.911	---	---	---	---	---	---	---	---	---	27
28	0.173	1.12	0.738	---	---	---	---	---	---	---	---	---	28
29	0.166	0.803	0.666	---	---	---	---	---	---	---	---	---	29
30	0.173		0.691	---	---	---	---	---	---	---	---	---	30
31	0.144		0.727		---		---	---		---		---	31
TOTAL	5.87	28.1	145	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.189	0.970	4.69	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.273	1.57	7.43	---	---	---	---	---	---	---	---	---	ST.D.
MAX	1.21	7.02	24.3	---	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.418	---	---	---	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 179
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.0001	0.0045	---	---	---	---	---	---	---	---	---	1
2	0	0.0001	0.0045	---	---	---	---	---	---	---	---	---	2
3	0	0.0001	0.0071*	---	---	---	---	---	---	---	---	---	3
4	0	0.0001	0.0280*	---	---	---	---	---	---	---	---	---	4
5	0.0001	0.0001	0.0694*	---	---	---	---	---	---	---	---	---	5
6	0.0001	0.0001	0.178*	---	---	---	---	---	---	---	---	---	6
7	0.0000	0.0001	0.366*	---	---	---	---	---	---	---	---	---	7
8	0	0.0001	0.275*	---	---	---	---	---	---	---	---	---	8
9	0.0000	0.0000	0.289*	---	---	---	---	---	---	---	---	---	9
10	0.0001	0.0001	0.321*	---	---	---	---	---	---	---	---	---	10
11	0.0001	0.0001	0.107	---	---	---	---	---	---	---	---	---	11
12	0.0001	0.0000	0.0184	---	---	---	---	---	---	---	---	---	12
13	0.0002	0	0.0064	---	---	---	---	---	---	---	---	---	13
14	0.0009	0	0.0030	---	---	---	---	---	---	---	---	---	14
15	0.0004	0.0005	0.0018	---	---	---	---	---	---	---	---	---	15
16	0.0002	0.0016	0.0016	---	---	---	---	---	---	---	---	---	16
17	0.0001	0.0005	0.0031	---	---	---	---	---	---	---	---	---	17
18	0.0001	0.0006	0.0019	---	---	---	---	---	---	---	---	---	18
19	0.0001	0.0579*	0.0019	---	---	---	---	---	---	---	---	---	19
20	0.0001	0.0350*	0.0018	---	---	---	---	---	---	---	---	---	20
21	0.0001	0.0095*	0.0013	---	---	---	---	---	---	---	---	---	21
22	0.0000	0.0061	0.0012	---	---	---	---	---	---	---	---	---	22
23	0.0034	0.0082	0.0010	---	---	---	---	---	---	---	---	---	23
24	0.0045	0.0100	0.0009	---	---	---	---	---	---	---	---	---	24
25	0.0009	0.0068	0.0016	---	---	---	---	---	---	---	---	---	25
26	0.0005	0.0063	0.0027	---	---	---	---	---	---	---	---	---	26
27	0.0004	0.0045	0.0028	---	---	---	---	---	---	---	---	---	27
28	0.0002	0.0038	0.0021	---	---	---	---	---	---	---	---	---	28
29	0.0002	0.0023	0.0018	---	---	---	---	---	---	---	---	---	29
30	0.0002		0.0019	---	---	---	---	---	---	---	---	---	30
31	0.0002		0.0020		---		---	---		---		---	31
TOTAL	0.0133	0.155	1.71	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0004	0.0053	0.0551	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0010	0.0122	0.108	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.0045	0.0579	0.366	---	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0009	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 1.88

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 27.8156 B1= 1.4837 A2= 0.0000 B2= 0.0000 R^2= 0.8264 N= 29.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.0057	0.118	---	---	---	---	---	---	---	---	---	1
2	0	0.0057	0.123	---	---	---	---	---	---	---	---	---	2
3	0	0.0057	0.169*	---	---	---	---	---	---	---	---	---	3
4	0	0.0057	0.482*	---	---	---	---	---	---	---	---	---	4
5	0.0057	0.0057	1.03*	---	---	---	---	---	---	---	---	---	5
6	0.0057	0.0057	2.14*	---	---	---	---	---	---	---	---	---	6
7	0.0031	0.0057	3.75*	---	---	---	---	---	---	---	---	---	7
8	0	0.0057	3.00*	---	---	---	---	---	---	---	---	---	8
9	0.0028	0.0028	3.10*	---	---	---	---	---	---	---	---	---	9
10	0.0057	0.0045	3.38*	---	---	---	---	---	---	---	---	---	10
11	0.0057	0.0045	1.42*	---	---	---	---	---	---	---	---	---	11
12	0.0057	0.0009	0.362	---	---	---	---	---	---	---	---	---	12
13	0.0092	0	0.160	---	---	---	---	---	---	---	---	---	13
14	0.0362	0	0.0894	---	---	---	---	---	---	---	---	---	14
15	0.0186	0.0171	0.0608	---	---	---	---	---	---	---	---	---	15
16	0.0126	0.0551	0.0541	---	---	---	---	---	---	---	---	---	16
17	0.0077	0.0224	0.0886	---	---	---	---	---	---	---	---	---	17
18	0.0070	0.0251	0.0638	---	---	---	---	---	---	---	---	---	18
19	0.0063	0.897*	0.0634	---	---	---	---	---	---	---	---	---	19
20	0.0057	0.592*	0.0611	---	---	---	---	---	---	---	---	---	20
21	0.0044	0.219*	0.0465	---	---	---	---	---	---	---	---	---	21
22	0.0026	0.157	0.0447	---	---	---	---	---	---	---	---	---	22
23	0.0992	0.193	0.0387	---	---	---	---	---	---	---	---	---	23
24	0.120	0.229	0.0349	---	---	---	---	---	---	---	---	---	24
25	0.0356	0.169	0.0548	---	---	---	---	---	---	---	---	---	25
26	0.0224	0.161	0.0832	---	---	---	---	---	---	---	---	---	26
27	0.0198	0.123	0.0855	---	---	---	---	---	---	---	---	---	27
28	0.0126	0.109	0.0671	---	---	---	---	---	---	---	---	---	28
29	0.0120	0.0740	0.0596	---	---	---	---	---	---	---	---	---	29
30	0.0126		0.0622	---	---	---	---	---	---	---	---	---	30
31	0.0103		0.0660		---		---	---		---		---	31
TOTAL	0.489	3.10	20.4	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0158	0.107	0.657	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0268	0.196	1.14	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.120	0.897	3.75	---	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0349	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 24.0

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1870 B1= 1.1514 A2= 0.0000 B2= 0.0000 R^2= 0.8708 N= 31.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.0016	0.0335	---	---	---	---	---	---	---	---	---	1
2	0	0.0016	0.0347	---	---	---	---	---	---	---	---	---	2
3	0	0.0016	0.0476*	---	---	---	---	---	---	---	---	---	3
4	0	0.0016	0.137*	---	---	---	---	---	---	---	---	---	4
5	0.0016	0.0016	0.293*	---	---	---	---	---	---	---	---	---	5
6	0.0016	0.0016	0.609*	---	---	---	---	---	---	---	---	---	6
7	0.0009	0.0016	1.07*	---	---	---	---	---	---	---	---	---	7
8	0	0.0016	0.853*	---	---	---	---	---	---	---	---	---	8
9	0.0008	0.0008	0.881*	---	---	---	---	---	---	---	---	---	9
10	0.0016	0.0013	0.960*	---	---	---	---	---	---	---	---	---	10
11	0.0016	0.0013	0.402*	---	---	---	---	---	---	---	---	---	11
12	0.0016	0.0003	0.102	---	---	---	---	---	---	---	---	---	12
13	0.0026	0	0.0453	---	---	---	---	---	---	---	---	---	13
14	0.0102	0	0.0252	---	---	---	---	---	---	---	---	---	14
15	0.0052	0.0048	0.0171	---	---	---	---	---	---	---	---	---	15
16	0.0035	0.0155	0.0153	---	---	---	---	---	---	---	---	---	16
17	0.0022	0.0063	0.0250	---	---	---	---	---	---	---	---	---	17
18	0.0020	0.0071	0.0180	---	---	---	---	---	---	---	---	---	18
19	0.0018	0.254*	0.0179	---	---	---	---	---	---	---	---	---	19
20	0.0016	0.168*	0.0172	---	---	---	---	---	---	---	---	---	20
21	0.0012	0.0618*	0.0131	---	---	---	---	---	---	---	---	---	21
22	0.0007	0.0443	0.0126	---	---	---	---	---	---	---	---	---	22
23	0.0280	0.0546	0.0109	---	---	---	---	---	---	---	---	---	23
24	0.0338	0.0648	0.0098	---	---	---	---	---	---	---	---	---	24
25	0.0100	0.0478	0.0155	---	---	---	---	---	---	---	---	---	25
26	0.0063	0.0455	0.0235	---	---	---	---	---	---	---	---	---	26
27	0.0056	0.0346	0.0241	---	---	---	---	---	---	---	---	---	27
28	0.0035	0.0306	0.0189	---	---	---	---	---	---	---	---	---	28
29	0.0034	0.0209	0.0168	---	---	---	---	---	---	---	---	---	29
30	0.0035		0.0175	---	---	---	---	---	---	---	---	---	30
31	0.0029		0.0186		---		---	---		---		---	31
TOTAL	0.138	0.877	5.78	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.0044	0.0302	0.186	---	---	---	---	---	---	---	---	---	MEAN
ST.D.	0.0076	0.0556	0.324	---	---	---	---	---	---	---	---	---	ST.D.
MAX	0.0338	0.254	1.07	---	---	---	---	---	---	---	---	---	MAX
MIN	0	0	0.0098	---	---	---	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 6.80

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.0533 B1= 1.1536 A2= 0.0000 B2= 0.0000 R^2= 0.5932 N= 31.

TOTAL DAILY DISCHARGE FOR 1992 Pittock Control

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.727	1.31	0.605	---	---	---	---	---	---	1
2	---	---	---	0.724	6.62	0.644	---	---	---	---	---	---	2
3	---	---	---	0.612	6.69	0.605	---	---	---	---	---	---	3
4	---	---	---	0.590	3.06	0.594	---	---	---	---	---	---	4
5	---	---	---	0.511	1.97	0.551	---	---	---	---	---	---	5
6	---	---	---	0.518	1.36	0.594	---	---	---	---	---	---	6
7	---	---	---	0.558	1.21	0.569	---	---	---	---	---	---	7
8	---	---	---	0.526	1.11	0.601	---	---	---	---	---	---	8
9	---	---	---	0.518	1.09	0.518	---	---	---	---	---	---	9
10	---	---	---	0.457	1.03	0.492	---	---	---	---	---	---	10
11	---	---	---	1.05	0.878	0.510	---	---	---	---	---	---	11
12	---	---	---	1.34	0.882	0.475	---	---	---	---	---	---	12
13	---	---	---	0.925	0.914	0.458	---	---	---	---	---	---	13
14	---	---	---	0.850	0.824	0.458	---	---	---	---	---	---	14
15	---	---	---	0.713	0.778	0.423	---	---	---	---	---	---	15
16	---	---	---	14.2	0.778	0.441	---	---	---	---	---	---	16
17	---	---	---	23.1	6.62	0.415	---	---	---	---	---	---	17
18	---	---	---	10.9	4.23	0.458	---	---	---	---	---	---	18
19	---	---	---	5.97	1.78	0.449	---	---	---	---	---	---	19
20	---	---	---	3.59	1.32	0.415	---	---	---	---	---	---	20
21	---	---	---	2.94	1.02	0.406	---	---	---	---	---	---	21
22	---	---	---	2.99	0.950	0.389	---	---	---	---	---	---	22
23	---	---	---	2.23	0.925	0.389	---	---	---	---	---	---	23
24	---	---	---	2.93	0.850	0.397	---	---	---	---	---	---	24
25	---	---	---	6.11	0.778	0.372	---	---	---	---	---	---	25
26	---	---	---	5.27	0.778	0.389	---	---	---	---	---	---	26
27	---	---	---	2.96	0.752	0.380	---	---	---	---	---	---	27
28	---	---	---	1.99	0.691	0.363	---	---	---	---	---	---	28
29	---	---	---	1.69	0.691	0.337	---	---	---	---	---	---	29
30	---		---	1.44	0.691	0.337	---	---	---	---	---	---	30
31	---		---		0.655		---	---		---		---	31
TOTAL	---	---	---	98.9	53.2	14.0	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	3.30	1.72	0.468	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	4.91	1.80	0.0908	---	---	---	---	---	---	ST.D.
MAX	---	---	---	23.1	6.69	0.644	---	---	---	---	---	---	MAX
MIN	---	---	---	0.457	0.655	0.337	---	---	---	---	---	---	MIN

NOTE: discharge given in dam^3/d , # incomplete total.

TOTAL DISCHARGE FOR YEAR, 166
DRAINAGE AREA (hectares), 384.0

Watershed: Pittock Control Area: 384. hectares

Daily Total Suspended Solids Loads for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0023	0.0069	0.0016	---	---	---	---	---	---	1
2	---	---	---	0.0022	0.278	0.0018	---	---	---	---	---	---	2
3	---	---	---	0.0016	0.161	0.0016	---	---	---	---	---	---	3
4	---	---	---	0.0015	0.0349	0.0015	---	---	---	---	---	---	4
5	---	---	---	0.0012	0.0151	0.0013	---	---	---	---	---	---	5
6	---	---	---	0.0012	0.0074	0.0015	---	---	---	---	---	---	6
7	---	---	---	0.0014	0.0060	0.0014	---	---	---	---	---	---	7
8	---	---	---	0.0012	0.0050	0.0016	---	---	---	---	---	---	8
9	---	---	---	0.0012	0.0048	0.0012	---	---	---	---	---	---	9
10	---	---	---	0.0009*	0.0043	0.0011	---	---	---	---	---	---	10
11	---	---	---	0.0052*	0.0032	0.0011	---	---	---	---	---	---	11
12	---	---	---	0.0073	0.0032	0.0010	---	---	---	---	---	---	12
13	---	---	---	0.0036	0.0035	0.0009	---	---	---	---	---	---	13
14	---	---	---	0.0030	0.0029	0.0009	---	---	---	---	---	---	14
15	---	---	---	0.0022	0.0025	0.0008	---	---	---	---	---	---	15
16	---	---	---	1.12*	0.0025	0.0009	---	---	---	---	---	---	16
17	---	---	---	1.61*	0.364	0.0008	---	---	---	---	---	---	17
18	---	---	---	0.393	0.0743	0.0009	---	---	---	---	---	---	18
19	---	---	---	0.125	0.0125	0.0009	---	---	---	---	---	---	19
20	---	---	---	0.0463	0.0069	0.0008	---	---	---	---	---	---	20
21	---	---	---	0.0318	0.0043	0.0007	---	---	---	---	---	---	21
22	---	---	---	0.0329	0.0037	0.0007	---	---	---	---	---	---	22
23	---	---	---	0.0188	0.0035	0.0007	---	---	---	---	---	---	23
24	---	---	---	0.0319	0.0030	0.0007	---	---	---	---	---	---	24
25	---	---	---	0.134	0.0025	0.0006	---	---	---	---	---	---	25
26	---	---	---	0.0974	0.0025	0.0007	---	---	---	---	---	---	26
27	---	---	---	0.0326	0.0024	0.0007	---	---	---	---	---	---	27
28	---	---	---	0.0152	0.0020	0.0006	---	---	---	---	---	---	28
29	---	---	---	0.0111	0.0020	0.0005	---	---	---	---	---	---	29
30	---		---	0.0082	0.0020*	0.0005	---	---	---	---	---	---	30
31	---		---		0.0018*		---	---		---		---	31
TOTAL	---	---	---	3.74	1.03	0.0301	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.125	0.0332	0.0010	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	0.351	0.0834	0.0004	---	---	---	---	---	---	ST.D.
MAX	---	---	---	1.61	0.364	0.0018	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0009	0.0018	0.0005	---	---	---	---	---	---	MIN

NOTE: loads given in tonnes, * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 4.80

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 223.0645 B1= 1.8959 A2= 0.0000 B2= 0.0000 R^2= 0.9560 N= 20.

Watershed: Pittock Control Area: 384. hectares

Daily Total Phosphorous Loadings for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0462	0.115	0.0348	---	---	---	---	---	---	1
2	---	---	---	0.0459	1.94	0.0384	---	---	---	---	---	---	2
3	---	---	---	0.0354	1.44	0.0348	---	---	---	---	---	---	3
4	---	---	---	0.0337	0.423	0.0339	---	---	---	---	---	---	4
5	---	---	---	0.0269	0.214	0.0302	---	---	---	---	---	---	5
6	---	---	---	0.0275	0.121	0.0339	---	---	---	---	---	---	6
7	---	---	---	0.0308	0.102	0.0317	---	---	---	---	---	---	7
8	---	---	---	0.0281	0.0887	0.0345	---	---	---	---	---	---	8
9	---	---	---	0.0275	0.0861	0.0275	---	---	---	---	---	---	9
10	---	---	---	0.0227*	0.0785	0.0254	---	---	---	---	---	---	10
11	---	---	---	0.0873*	0.0617	0.0268	---	---	---	---	---	---	11
12	---	---	---	0.119	0.0621	0.0240	---	---	---	---	---	---	12
13	---	---	---	0.0669	0.0657	0.0227	---	---	---	---	---	---	13
14	---	---	---	0.0587	0.0560	0.0227	---	---	---	---	---	---	14
15	---	---	---	0.0448	0.0512	0.0201	---	---	---	---	---	---	15
16	---	---	---	6.16*	0.0512	0.0214	---	---	---	---	---	---	16
17	---	---	---	9.40*	2.28	0.0195	---	---	---	---	---	---	17
18	---	---	---	2.99	0.745	0.0227	---	---	---	---	---	---	18
19	---	---	---	1.19	0.184	0.0220	---	---	---	---	---	---	19
20	---	---	---	0.535	0.115	0.0195	---	---	---	---	---	---	20
21	---	---	---	0.395	0.0779	0.0189	---	---	---	---	---	---	21
22	---	---	---	0.405	0.0696	0.0177	---	---	---	---	---	---	22
23	---	---	---	0.258	0.0669	0.0177	---	---	---	---	---	---	23
24	---	---	---	0.394	0.0587	0.0183	---	---	---	---	---	---	24
25	---	---	---	1.24	0.0512	0.0165	---	---	---	---	---	---	25
26	---	---	---	0.972	0.0512	0.0177	---	---	---	---	---	---	26
27	---	---	---	0.401	0.0487	0.0171	---	---	---	---	---	---	27
28	---	---	---	0.217	0.0427	0.0159	---	---	---	---	---	---	28
29	---	---	---	0.169	0.0427	0.0142	---	---	---	---	---	---	29
30	---		---	0.132	0.0427*	0.0142	---	---	---	---	---	---	30
31	---		---		0.0394*		---	---		---		---	31
TOTAL	---	---	---	25.6	8.87	0.714	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.852	0.286	0.0238	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	2.02	0.561	0.0071	---	---	---	---	---	---	ST.D.
MAX	---	---	---	9.40	2.28	0.0384	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0227	0.0394	0.0142	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total. TOTAL LOAD FOR YEAR, 35.1

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.8188 B1= 1.5352 A2= 0.0000 B2= 0.0000 R^2= 0.9548 N= 17.

Watershed: Pittock Control Area: 384. hectares

Daily Total Filtered Reactive Phosphorus for 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.0291	0.0635	0.0228	---	---	---	---	---	---	1
2	---	---	---	0.0289	0.647	0.0249	---	---	---	---	---	---	2
3	---	---	---	0.0232	0.550	0.0228	---	---	---	---	---	---	3
4	---	---	---	0.0222	0.194	0.0223	---	---	---	---	---	---	4
5	---	---	---	0.0183	0.108	0.0202	---	---	---	---	---	---	5
6	---	---	---	0.0186	0.0668	0.0223	---	---	---	---	---	---	6
7	---	---	---	0.0206	0.0573	0.0211	---	---	---	---	---	---	7
8	---	---	---	0.0190	0.0510	0.0227	---	---	---	---	---	---	8
9	---	---	---	0.0186	0.0497	0.0186	---	---	---	---	---	---	9
10	---	---	---	0.0158*	0.0459	0.0174	---	---	---	---	---	---	10
11	---	---	---	0.0492*	0.0374	0.0182	---	---	---	---	---	---	11
12	---	---	---	0.0654	0.0376	0.0166	---	---	---	---	---	---	12
13	---	---	---	0.0400	0.0394	0.0158	---	---	---	---	---	---	13
14	---	---	---	0.0358	0.0344	0.0158	---	---	---	---	---	---	14
15	---	---	---	0.0284	0.0318	0.0143	---	---	---	---	---	---	15
16	---	---	---	1.76*	0.0318	0.0150	---	---	---	---	---	---	16
17	---	---	---	2.78*	0.712	0.0139	---	---	---	---	---	---	17
18	---	---	---	1.04	0.308	0.0158	---	---	---	---	---	---	18
19	---	---	---	0.470	0.0952	0.0154	---	---	---	---	---	---	19
20	---	---	---	0.238	0.0637	0.0139	---	---	---	---	---	---	20
21	---	---	---	0.183	0.0456	0.0135	---	---	---	---	---	---	21
22	---	---	---	0.188	0.0414	0.0128	---	---	---	---	---	---	22
23	---	---	---	0.127	0.0400	0.0128	---	---	---	---	---	---	23
24	---	---	---	0.183	0.0357	0.0131	---	---	---	---	---	---	24
25	---	---	---	0.487	0.0318	0.0120	---	---	---	---	---	---	25
26	---	---	---	0.397	0.0318	0.0128	---	---	---	---	---	---	26
27	---	---	---	0.186	0.0305	0.0124	---	---	---	---	---	---	27
28	---	---	---	0.110	0.0272	0.0117	---	---	---	---	---	---	28
29	---	---	---	0.0886	0.0272	0.0106	---	---	---	---	---	---	29
30	---		---	0.0717	0.0272*	0.0106	---	---	---	---	---	---	30
31	---		---		0.0254*		---	---		---		---	31
TOTAL	---	---	---	8.75	3.59	0.492	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.292	0.116	0.0164	---	---	---	---	---	---	MEAN
ST.D.	---	---	---	0.594	0.183	0.0042	---	---	---	---	---	---	ST.D.
MAX	---	---	---	2.78	0.712	0.0249	---	---	---	---	---	---	MAX
MIN	---	---	---	0.0158	0.0254	0.0106	---	---	---	---	---	---	MIN

NOTE: loads given in kg , * denotes sampling days, # incomplete total.

TOTAL LOAD FOR YEAR, 12.8

LOAD ESTIMATION PROCEDURE USED: PL Regression
Fitted curve is A0= 0.0000 A1= 0.1825 B1= 1.3175 A2= 0.0000 B2= 0.0000 R^2= 0.8712 N= 20.